

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001403.D
 Acq On : 24 Dec 2019 23:34
 Operator : JU
 Sample : K6396-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 25 00:59:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	50336	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	188675	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	103090	20.00	ng	0.00
64) Phenanthrene-d10	15.58	188	172778	20.00	ng	0.00
76) Chrysene-d12	19.23	240	117887	20.00	ng	0.00
87) Perylene-d12	21.00	264	123781	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	308875	99.17	ng	0.01
7) Phenol-d6	7.75	99	433106	106.57	ng	0.00
23) Nitrobenzene-d5	9.17	82	304456	61.97	ng	0.00
42) 2,4,6-Tribromophenol	14.48	330	104707	81.24	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	560105	68.70	ng	0.00
79) Terphenyl-d14	17.87	244	478385	69.50	ng	0.00

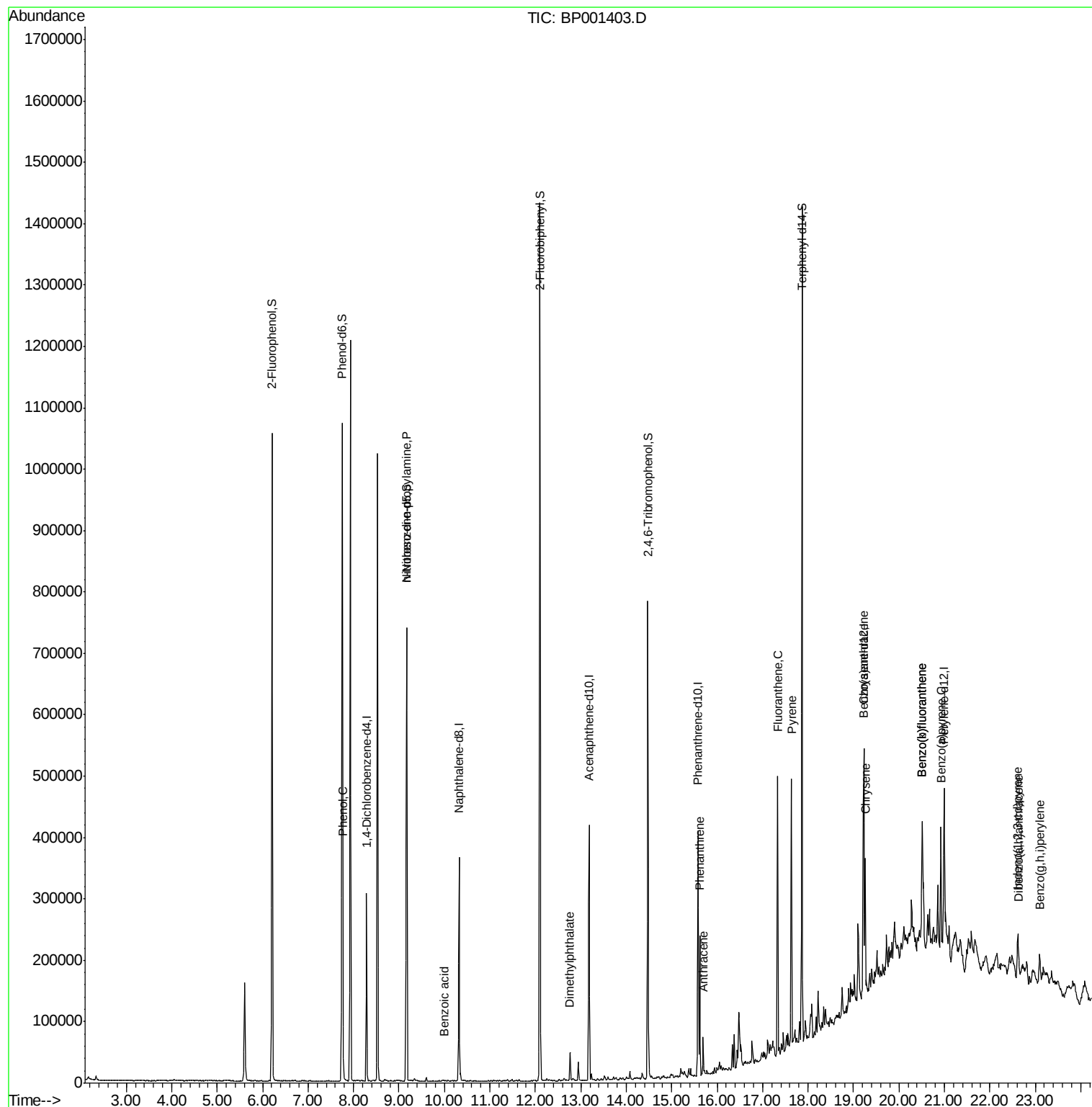
Target Compounds				Qvalue		
10) Phenol	7.77	94	14349	3.090	ng	# 75
19) n-Nitroso-di-n-propylamine	9.17	70	46878	16.249	ng	# 77
32) Benzoic acid	9.99	122	44	5.042	ng	# 58
50) Dimethylphthalate	12.77	163	20351	2.406	ng	97
71) Phenanthrene	15.62	178	98851	10.028	ng	100
72) Anthracene	15.69	178	26637	2.730	ng	96
75) Fluoranthene	17.33	202	223170	20.247	ng	99
78) Pyrene	17.64	202	202418	22.115	ng	99
81) Benzo(a)anthracene	19.22	228	112945	13.148	ng	96
83) Chrysene	19.26	228	98336	11.860	ng	97
86) Indeno(1,2,3-cd)pyrene	22.62	276	58159	6.495	ng	98
88) Benzo(b)fluoranthene	20.52	252	164924	20.288	ng	# 95
89) Benzo(k)fluoranthene	20.52	252	164924	21.298	ng	# 94
90) Benzo(a)pyrene	20.92	252	95073	12.838	ng	# 95
91) Dibenzo(a,h)anthracene	22.63	278	16096	2.223	ng	# 91
92) Benzo(g,h,i)perylene	23.10	276	51136	7.391	ng	# 93

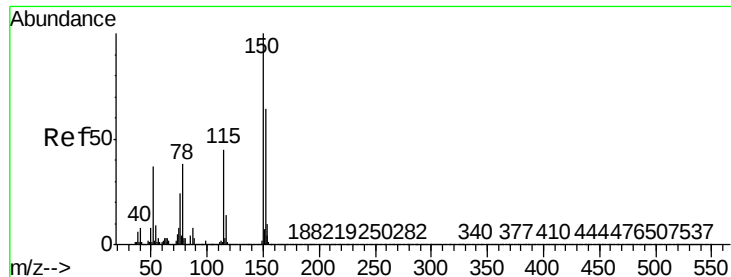
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001403.D
Acq On : 24 Dec 2019 23:34
Operator : JU
Sample : K6396-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :

Quant Time: Dec 25 00:59:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 16:04:49 2019
Response via : Initial Calibration

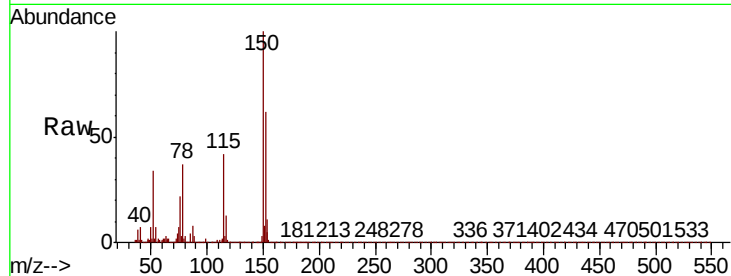




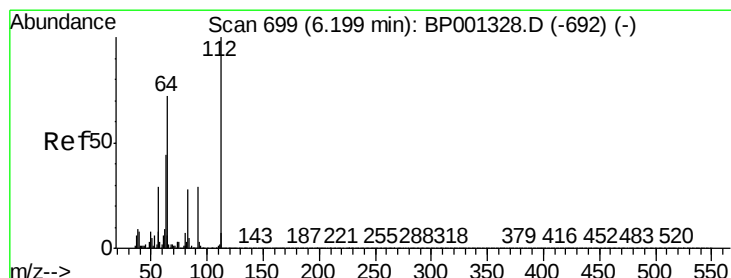
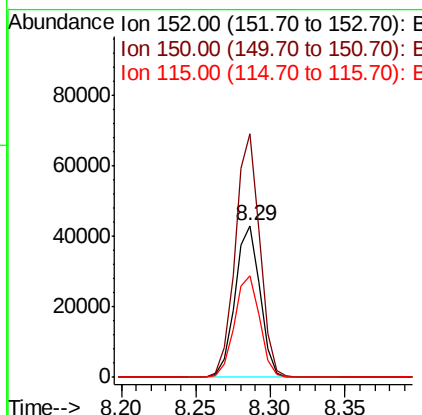
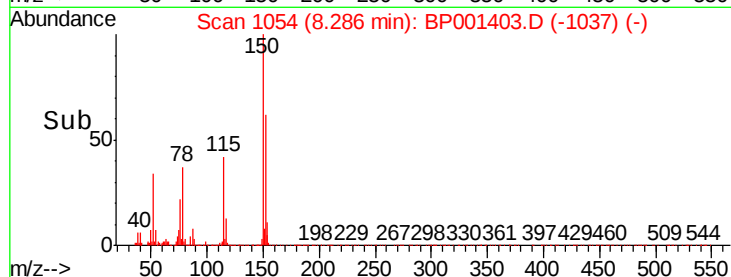
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	127.0	190.6
115	67.1	56.1	84.1

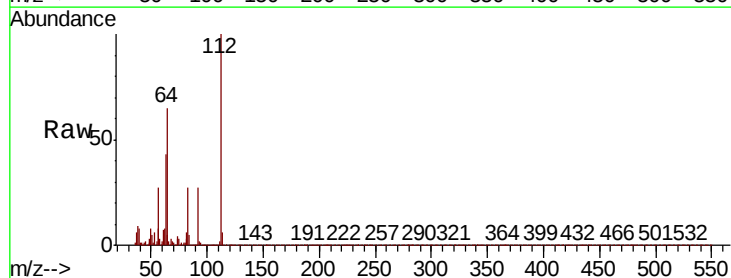


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

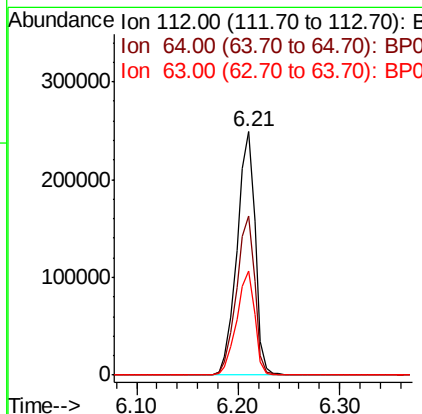
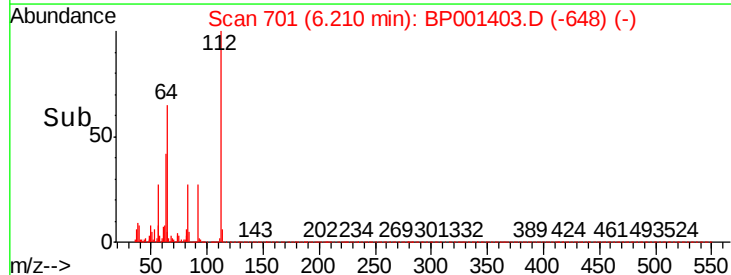


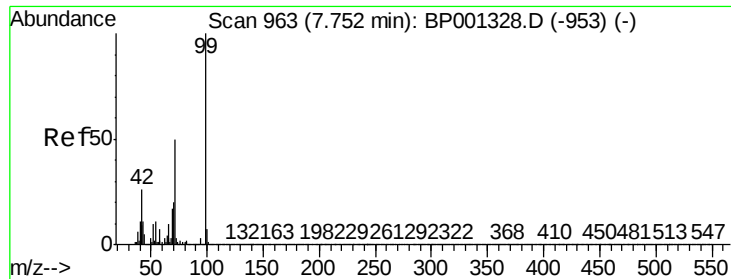
#5
2-Fluorophenol
Concen: 99.174 ng
RT: 6.21 min Scan# 701
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.9	80.9
63	42.5	33.4	50.0



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: 106.571 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Instrument :

BNA_P

ClientSampleId :

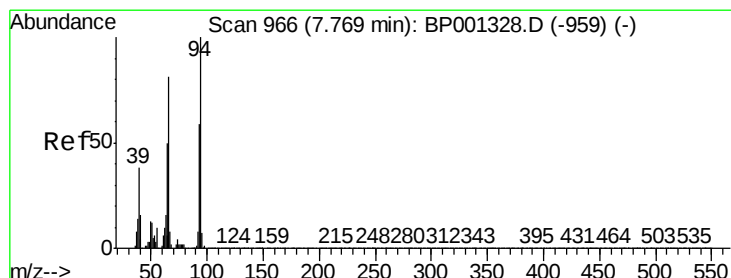
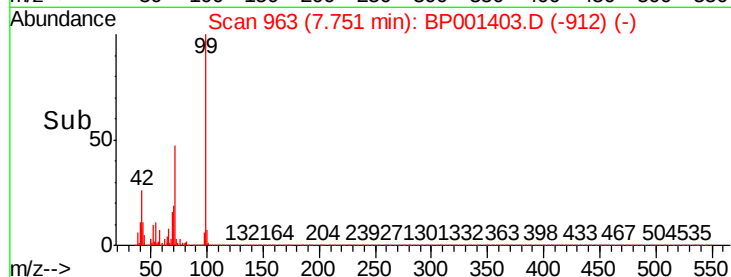
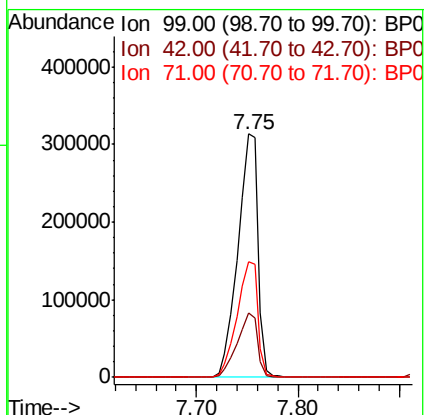
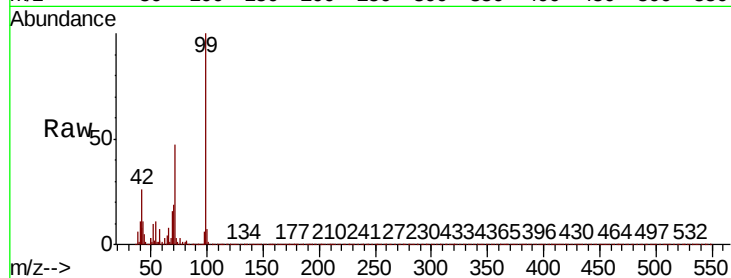
Tot Ion: 99 Resp: 433106

Ion Ratio Lower Upper

99 100

42 26.3 20.8 31.2

71 47.4 38.2 57.4



#10

Phenol

Concen: 3.090 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

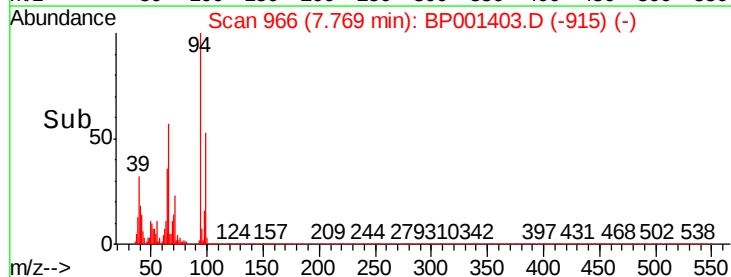
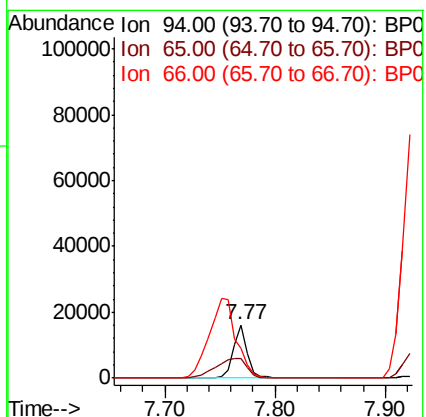
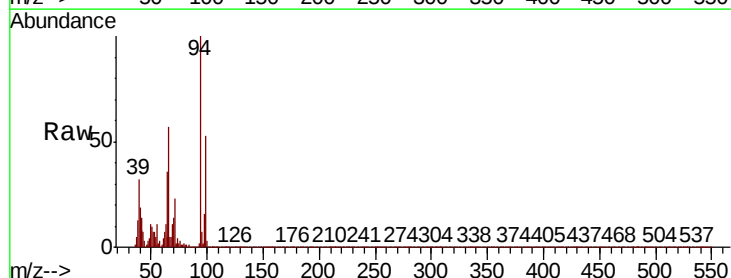
Tgt Ion: 94 Resp: 14349

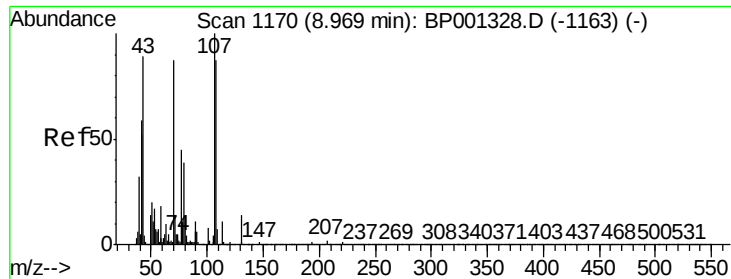
Ion Ratio Lower Upper

94 100

65 35.7 29.6 69.6

66 56.9 62.3 102.3#

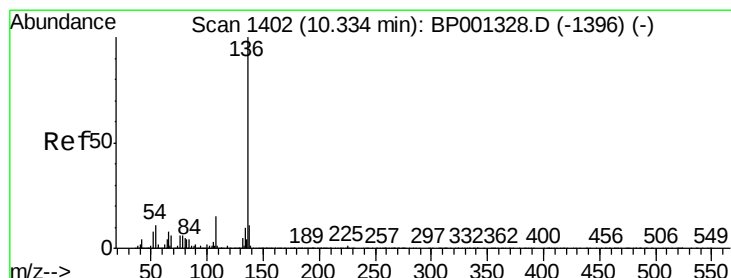
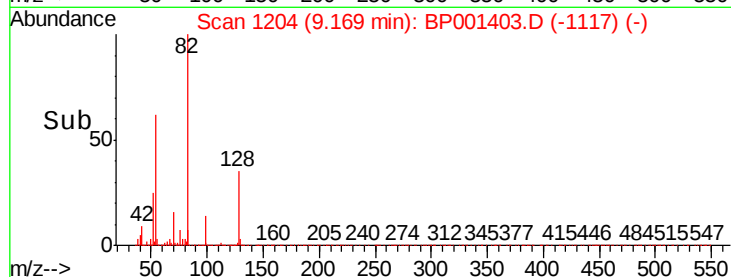
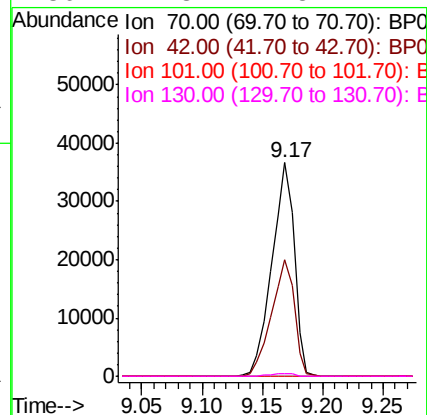
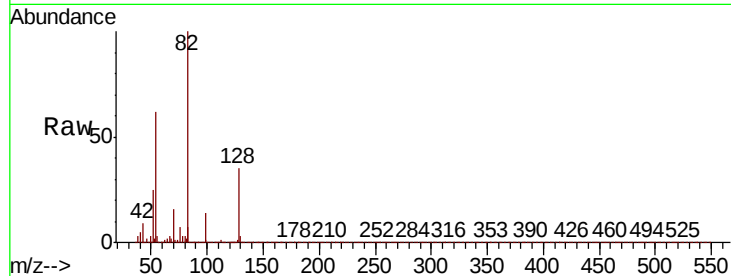




#19
n-Nitroso-di-n-propylamine
Concen: 16.249 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.21 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

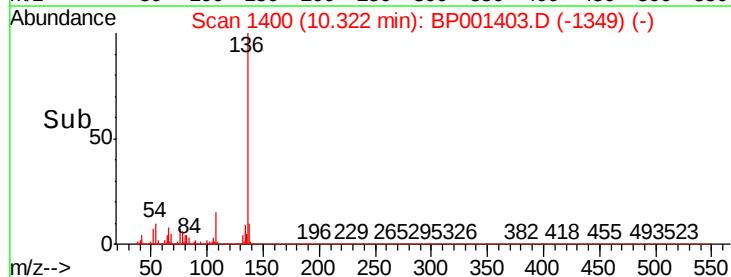
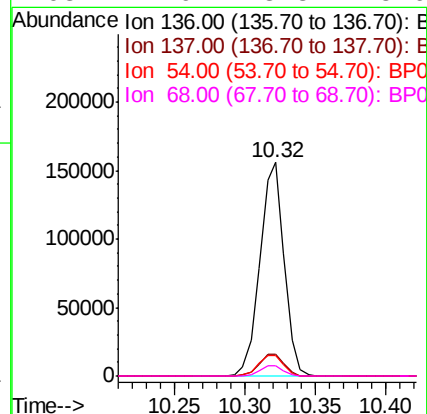
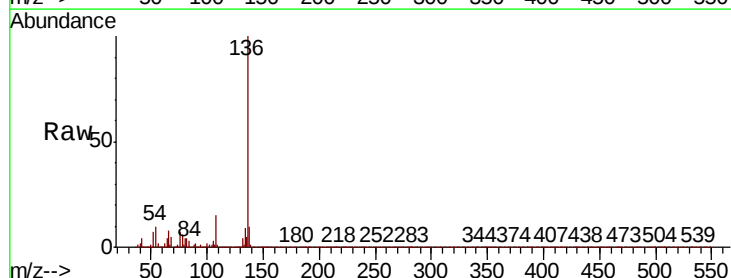
Instrument :
BNA_P
ClientSampled :

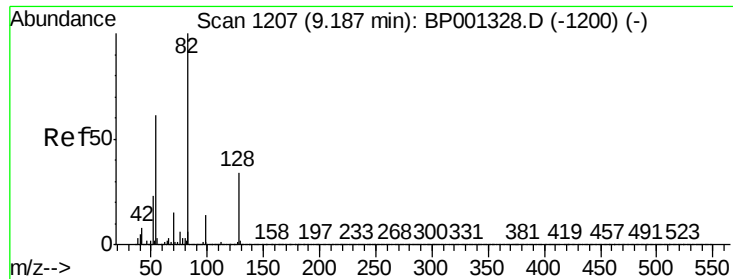
Tot Ion: 70 Resp: 46878
Ion Ratio Lower Upper
70 100
42 54.7 55.8 83.8#
101 0.0 8.2 12.2#
130 1.3 14.5 21.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion:136 Resp: 188675
Ion Ratio Lower Upper
136 100
137 10.3 9.0 13.4
54 9.7 7.3 10.9
68 4.9 3.8 5.6

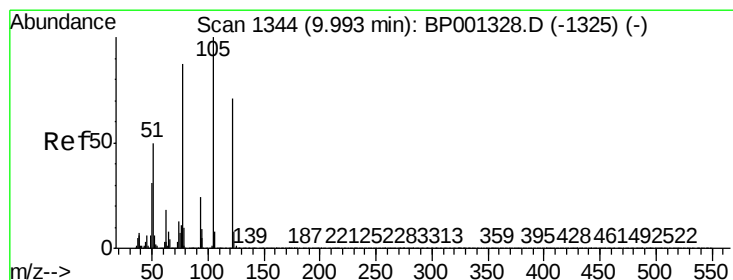
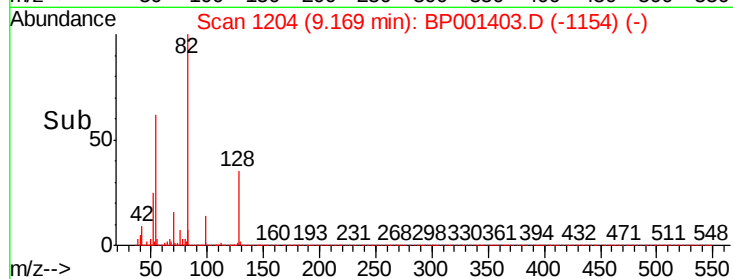
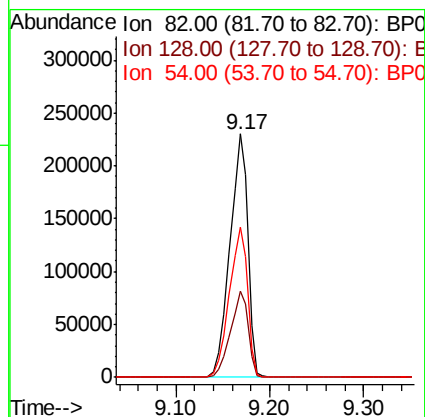
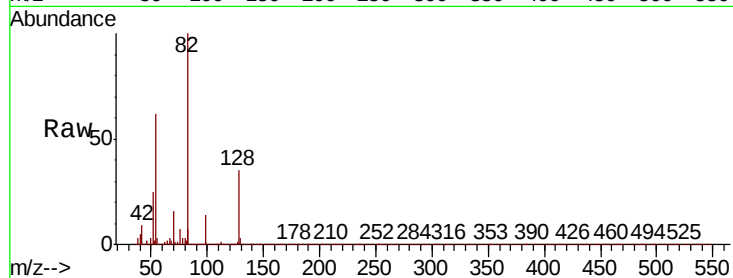




#23
Nitrobenzene-d5
Concen: 61.966 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

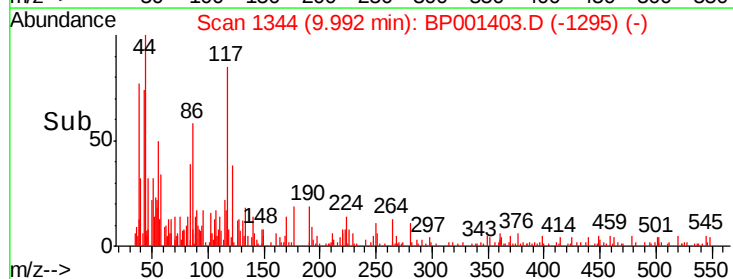
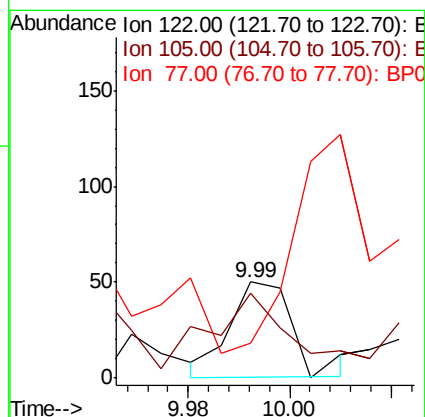
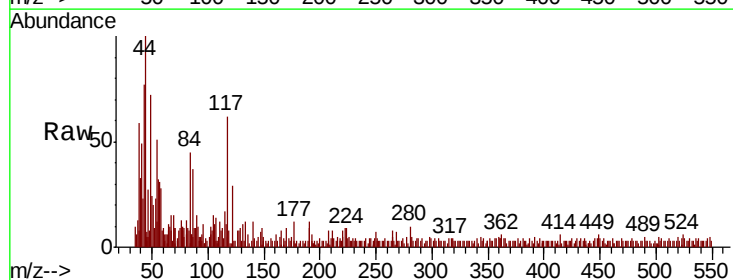
Instrument :
BNA_P
ClientSampleId :

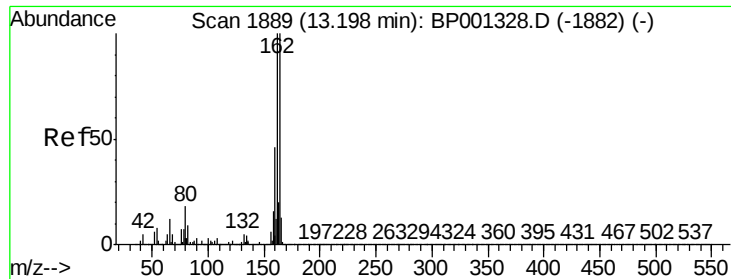
Tot Ion	Ratio	Lower	Upper
82	100		
128	35.3	27.4	41.0
54	61.8	47.5	71.3



#32
Benzoic acid
Concen: 5.042 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
122	100		
105	88.0	117.8	157.8#
77	62.0	85.6	125.6#

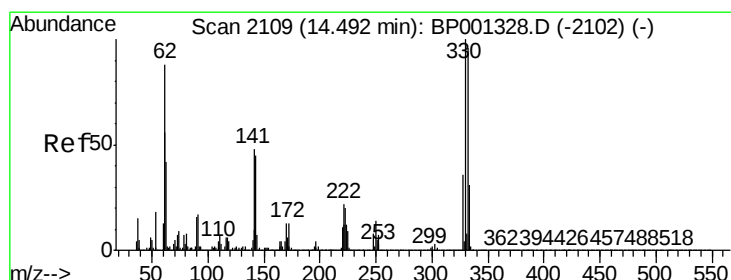
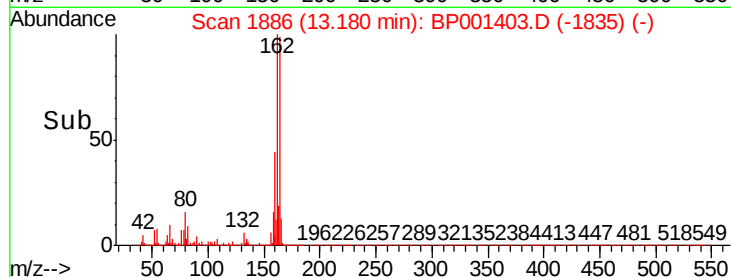
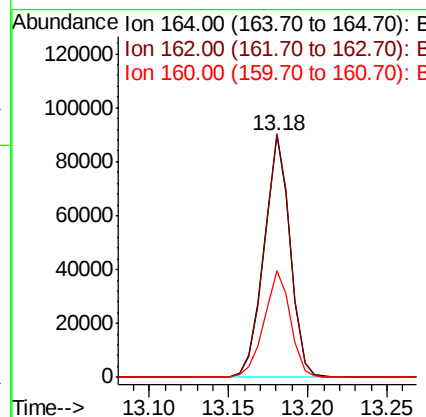
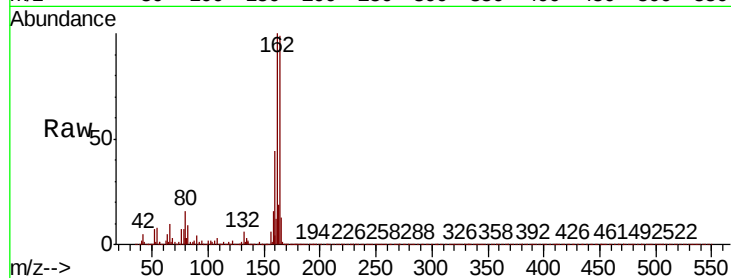




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

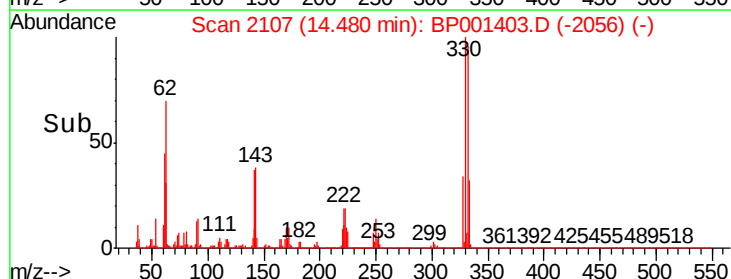
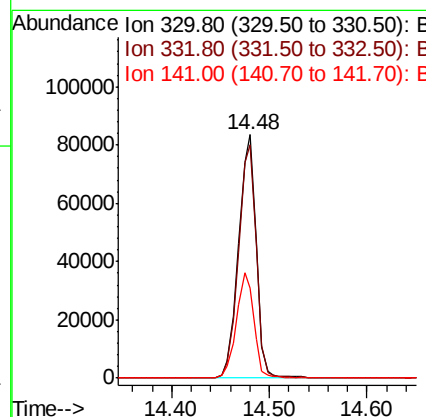
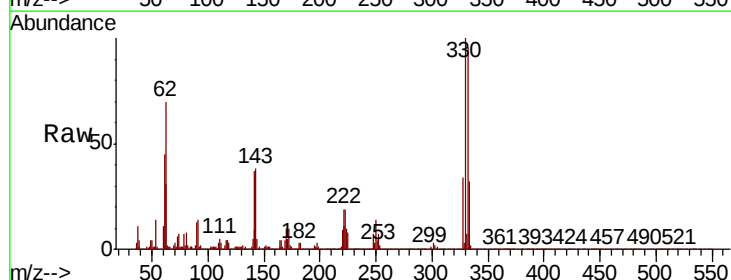
Instrument :
BNA_P
ClientSampleId :

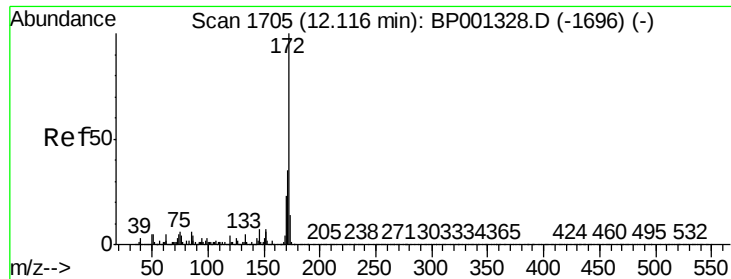
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	78.2	117.4
160	44.2	35.1	52.7



#42
2,4,6-Tribromophenol
Concen: 81.240 ng
RT: 14.48 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.3	117.5
141	43.3	26.8	40.2

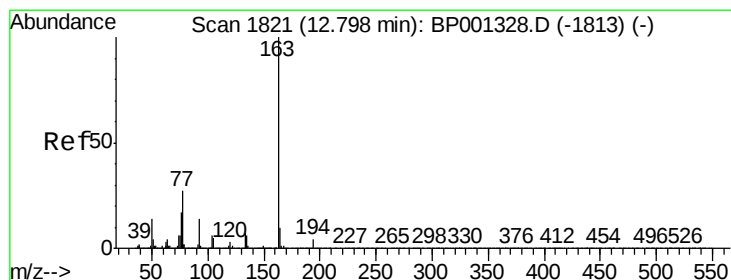
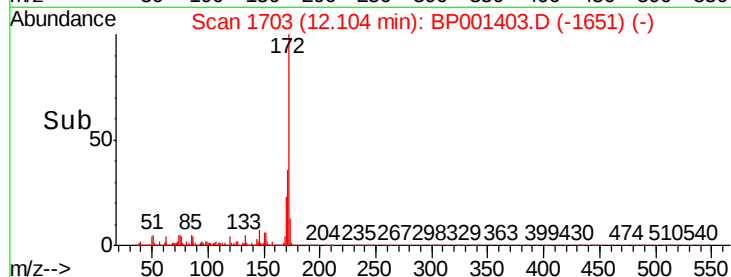
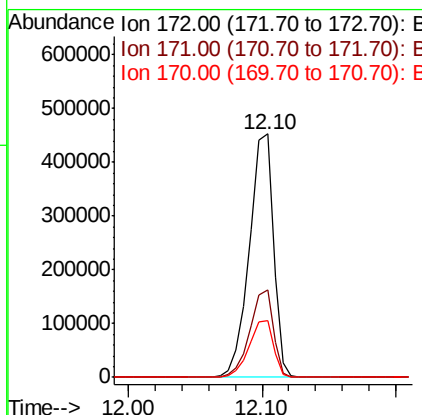
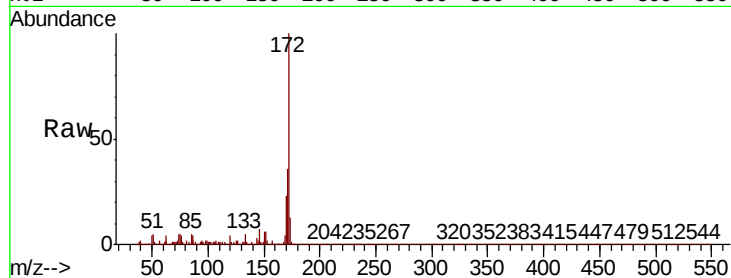




#45
2-Fluorobiphenyl
Concen: 68.702 ng
RT: 12.10 min Scan# 1703
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

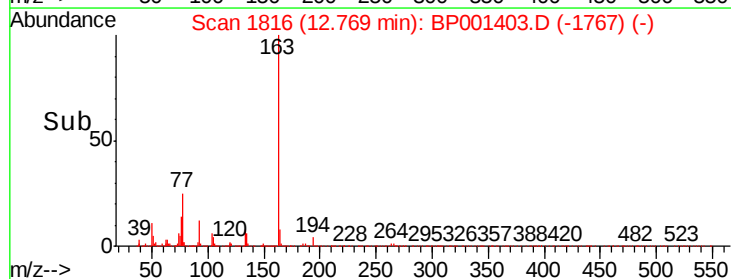
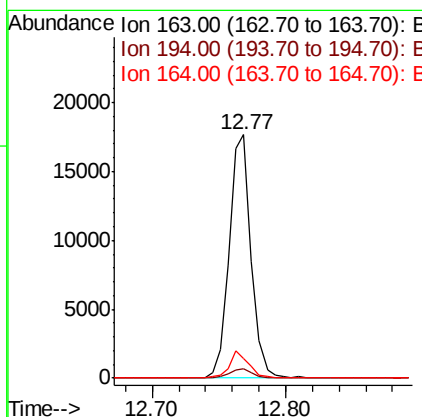
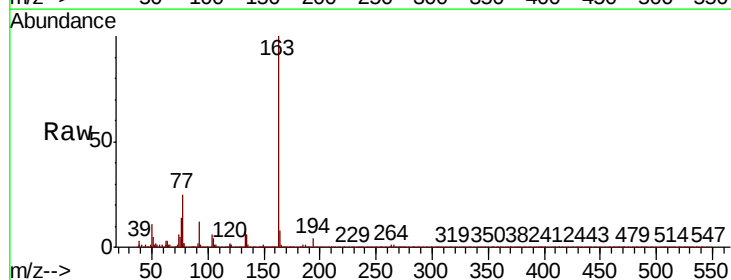
Instrument :
BNA_P
ClientSampleId :

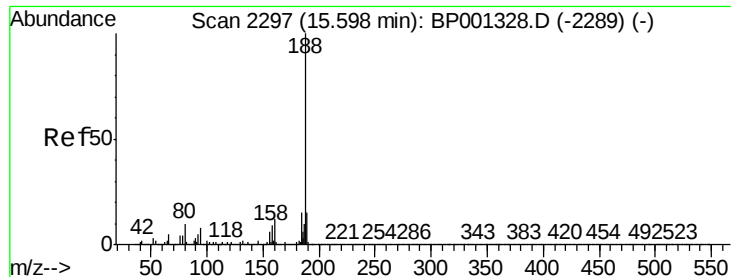
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.4	41.0
170	23.5	18.2	27.4



#50
Dimethylphthalate
Concen: 2.406 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	8.3	7.7	11.5

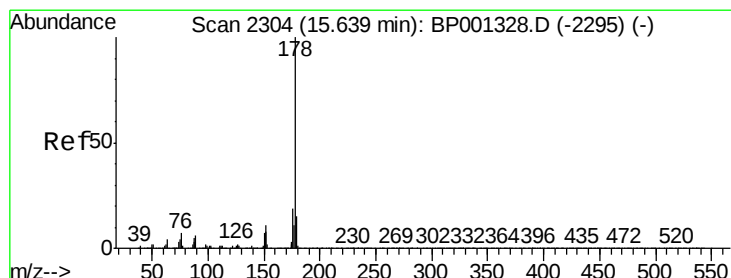
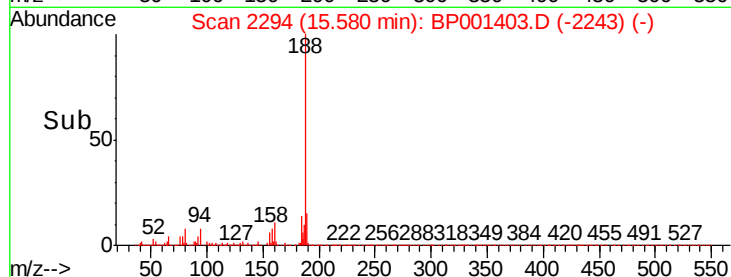
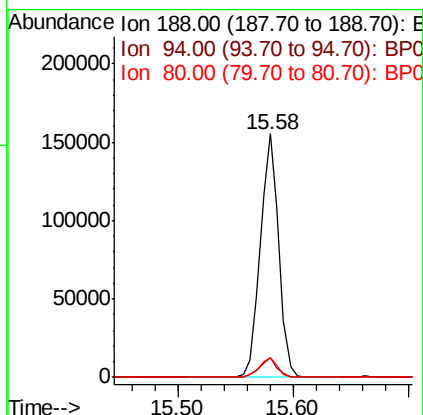
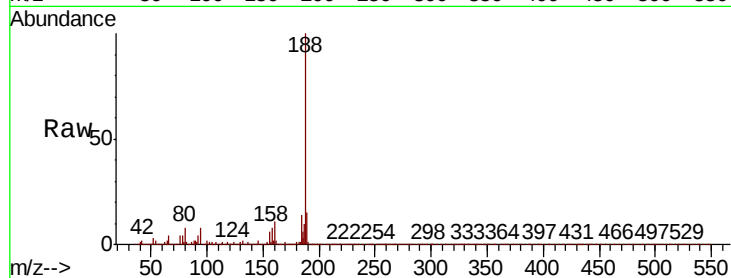




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

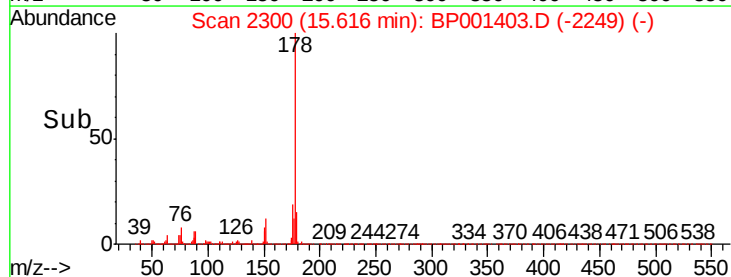
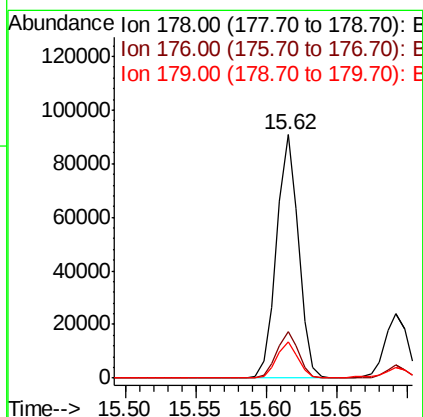
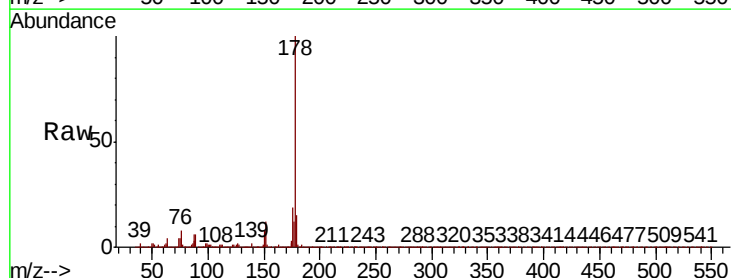
Instrument :
BNA_P
ClientSampleId :

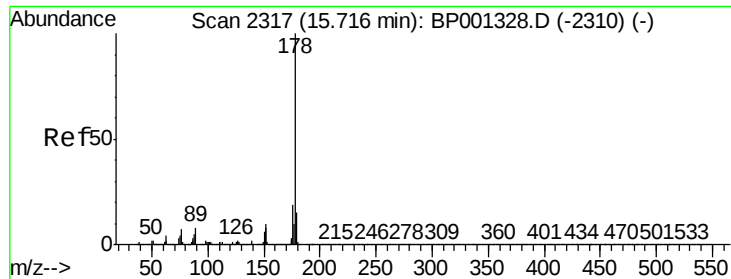
Tot Ion:188 Resp: 172778
Ion Ratio Lower Upper
188 100
94 8.1 5.8 8.8
80 8.1 5.7 8.5



#71
Phenanthrene
Concen: 10.028 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion:178 Resp: 98851
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 14.9 12.2 18.2





#72

Anthracene

Concen: 2.730 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Instrument :

BNA_P

ClientSampleId :

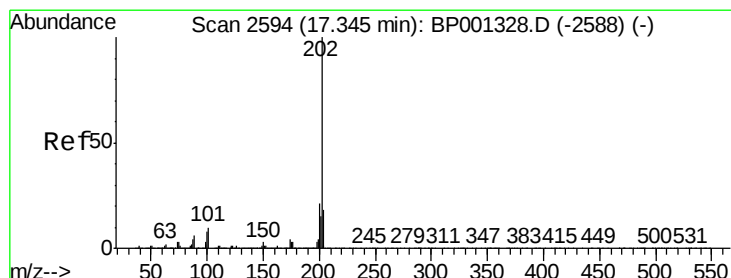
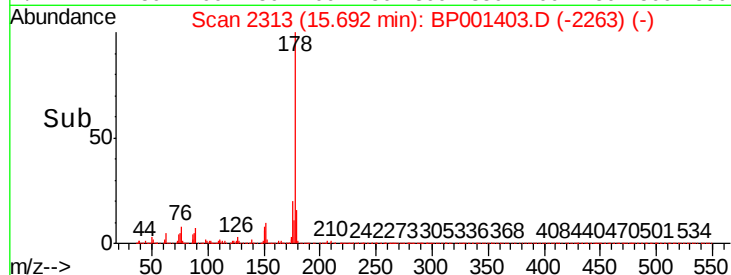
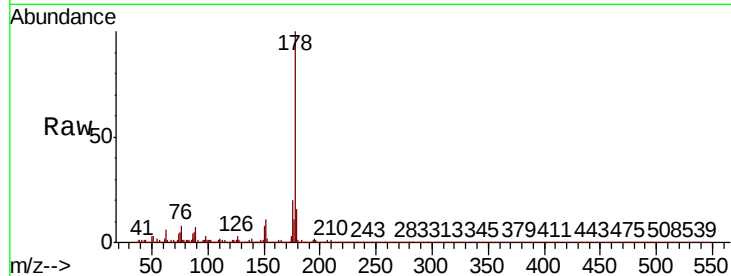
Tot Ion:178 Resp: 26637

Ion Ratio Lower Upper

178 100

176 20.0 14.5 21.7

179 16.2 11.8 17.8



#75

Fluoranthene

Concen: 20.247 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

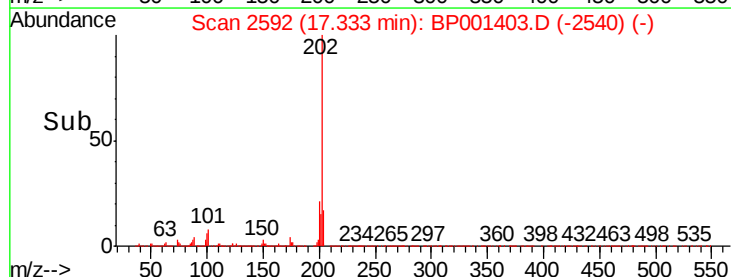
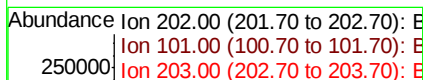
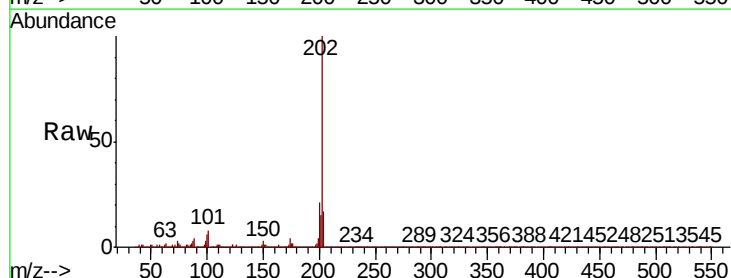
Tgt Ion:202 Resp: 223170

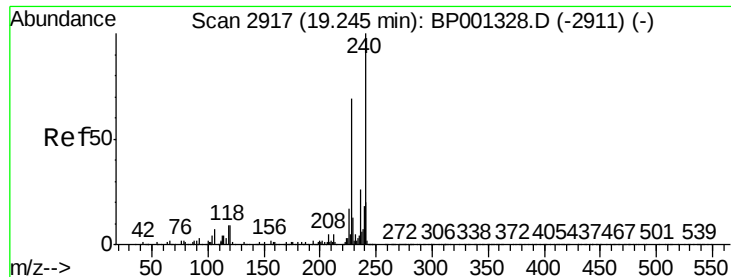
Ion Ratio Lower Upper

202 100

101 7.7 0.0 28.7

203 17.1 0.0 37.4

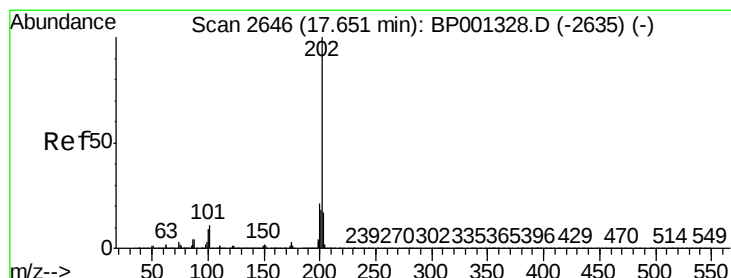
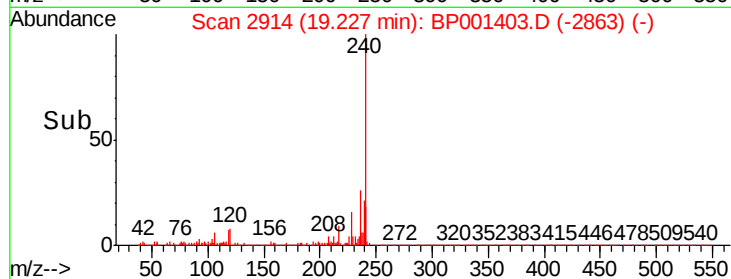
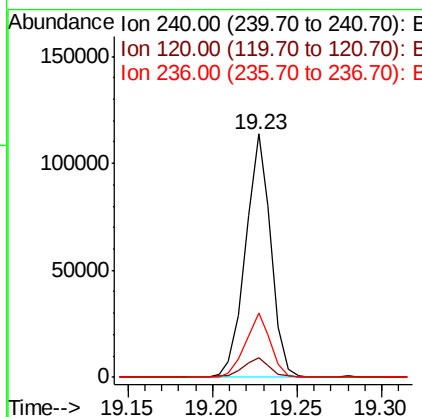
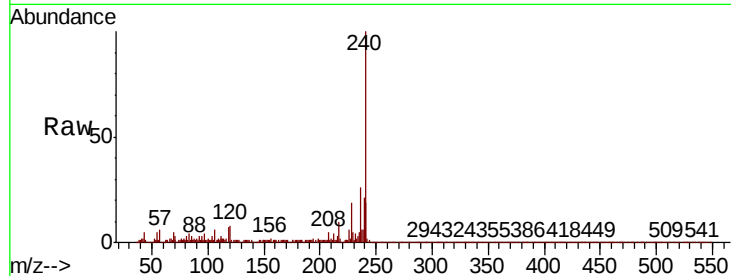




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.00 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

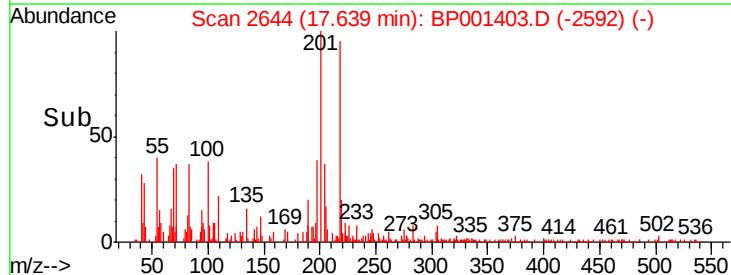
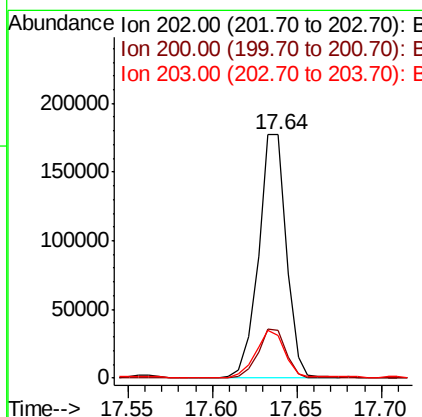
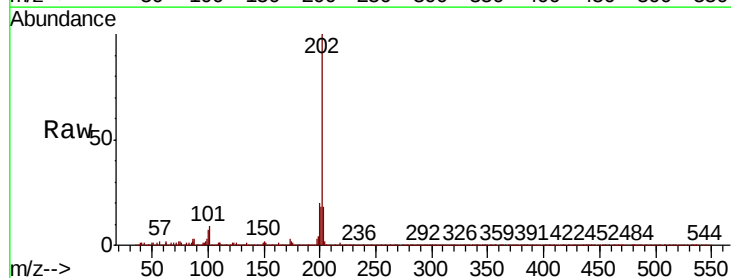
Instrument :
BNA_P
ClientSampleId :

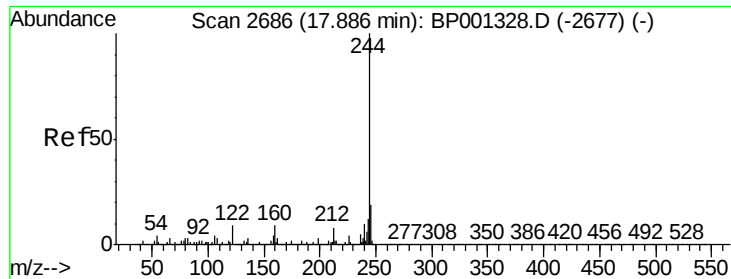
Tot Ion:240 Resp: 117887
Ion Ratio Lower Upper
240 100
120 8.1 6.2 9.2
236 26.4 20.2 30.2



#78
Pyrene
Concen: 22.115 ng
RT: 17.64 min Scan# 2644
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion:202 Resp: 202418
Ion Ratio Lower Upper
202 100
200 19.9 16.6 25.0
203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 69.504 ng

RT: 17.87 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Instrument :

BNA_P

ClientSampleId :

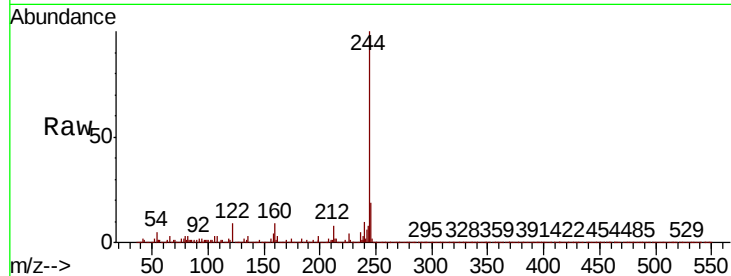
Tot Ion:244 Resp: 478385

Ion Ratio Lower Upper

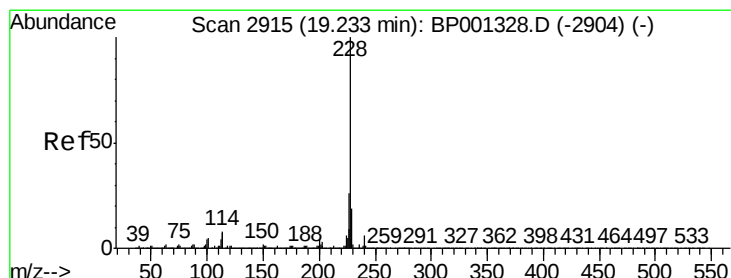
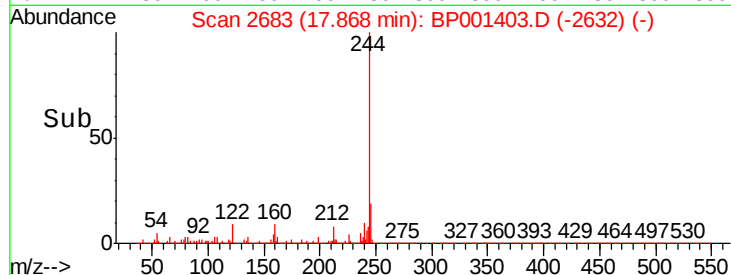
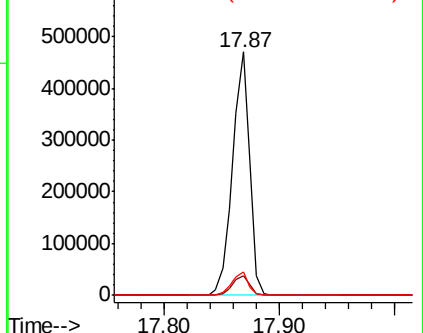
244 100

212 8.3 5.8 8.8

122 9.4 6.4 9.6



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: 13.148 ng

RT: 19.22 min Scan# 2912

Delta R.T. -0.00 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

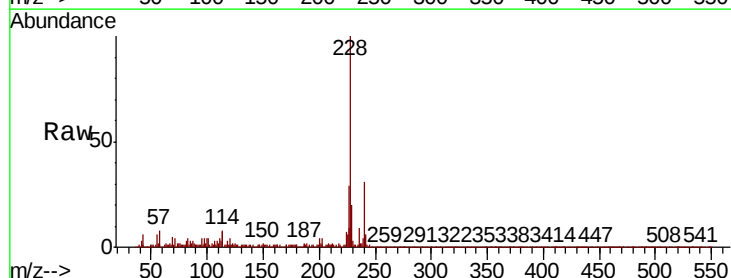
Tgt Ion:228 Resp: 112945

Ion Ratio Lower Upper

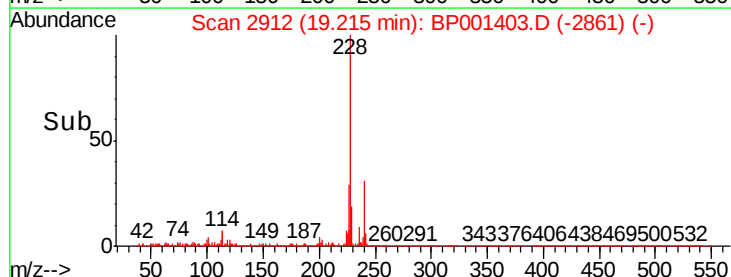
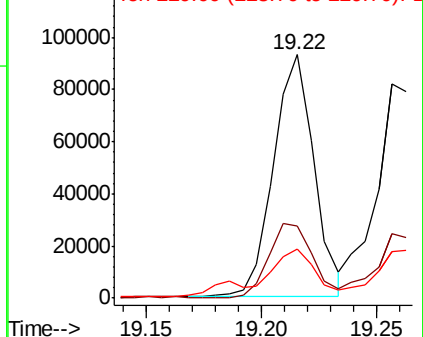
228 100

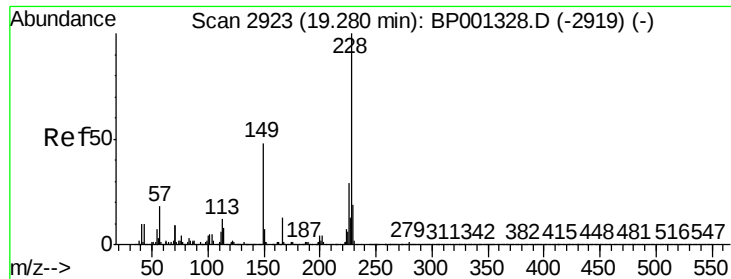
226 29.5 21.4 32.2

229 20.2 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





#83

Chrysene

Concen: 11.860 ng

RT: 19.26 min Scan# 2919

Delta R.T. -0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Instrument :

BNA_P

ClientSampleId :

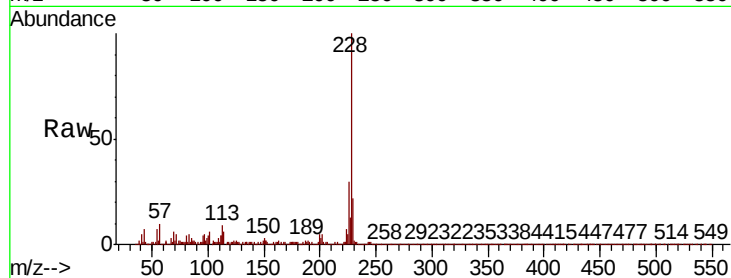
Tot Ion:228 Resp: 98336

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

229 21.9 15.5 23.3

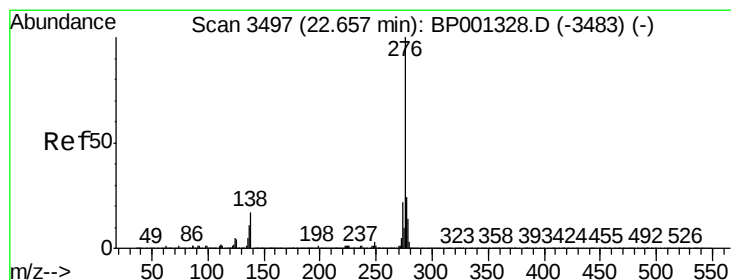
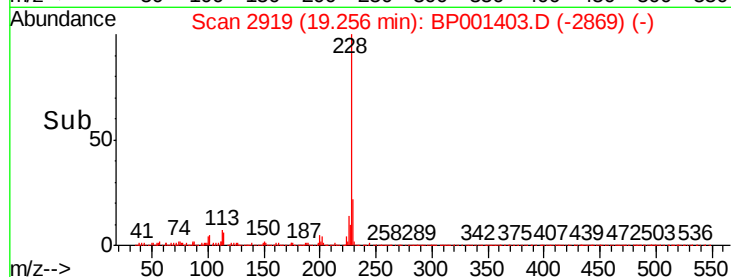
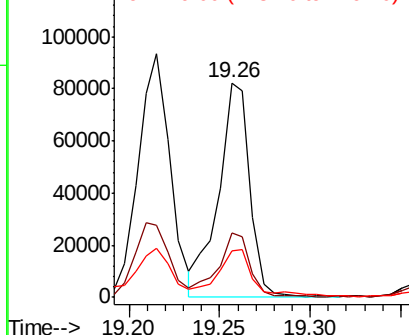


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.495 ng

RT: 22.62 min Scan# 3490

Delta R.T. -0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

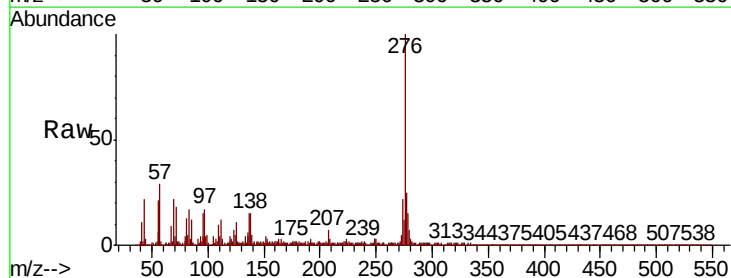
Tgt Ion:276 Resp: 58159

Ion Ratio Lower Upper

276 100

138 15.5 12.8 19.2

277 26.1 19.9 29.9

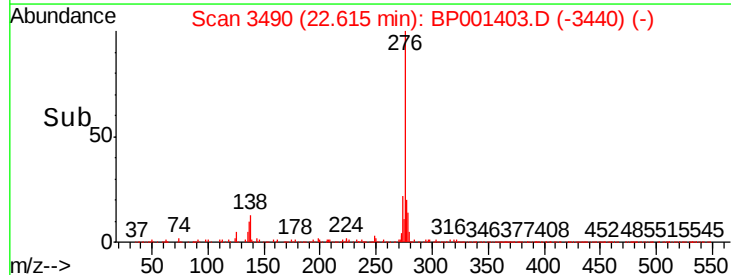
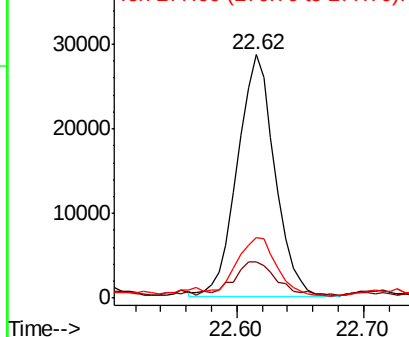


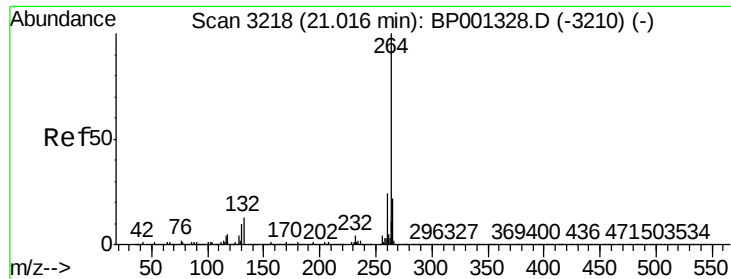
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

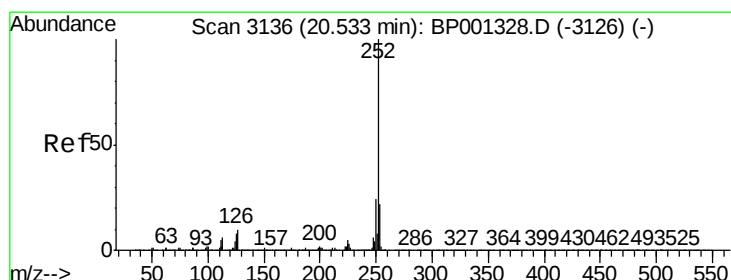
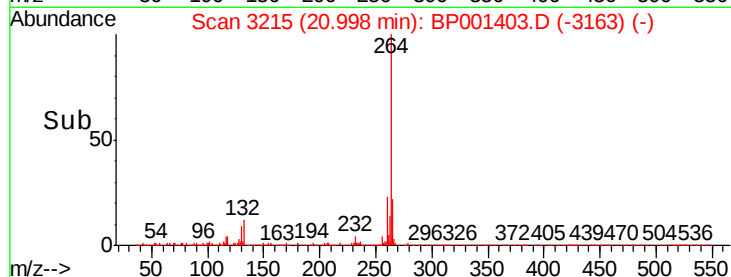
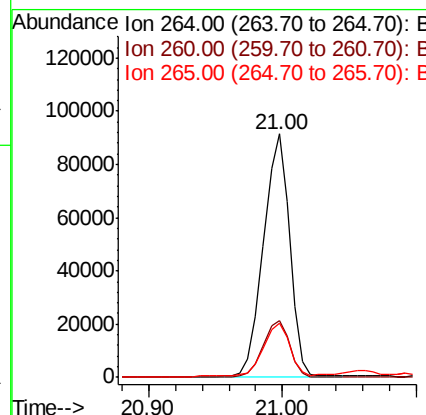
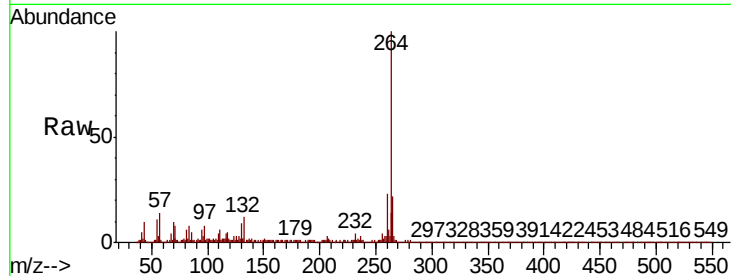




#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.00 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

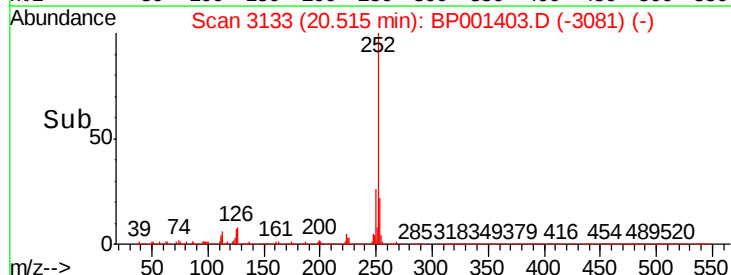
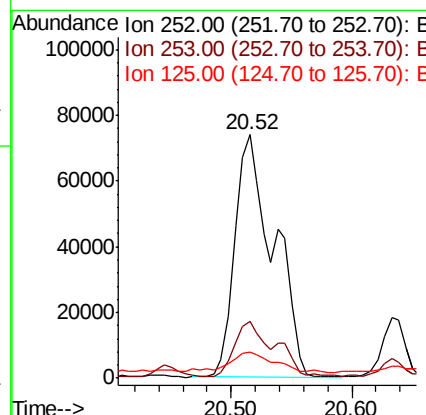
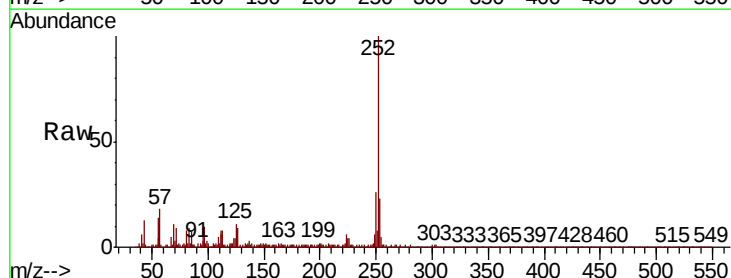
Instrument :
BNA_P
ClientSampleId :

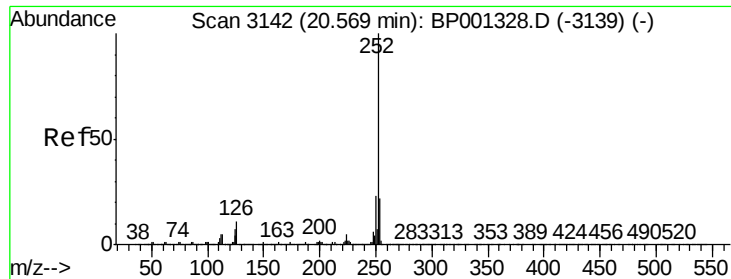
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	22.2	17.0	25.4



#88
Benzo(b)fluoranthene
Concen: 20.288 ng
RT: 20.52 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	10.6	5.6	8.4

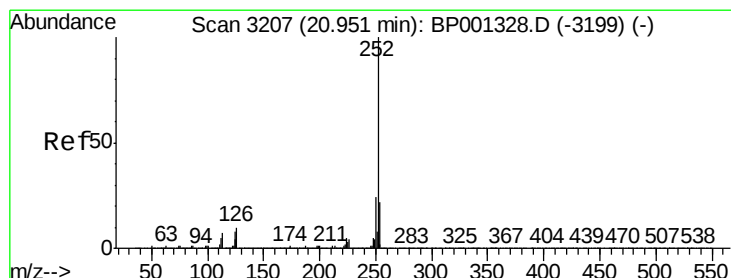
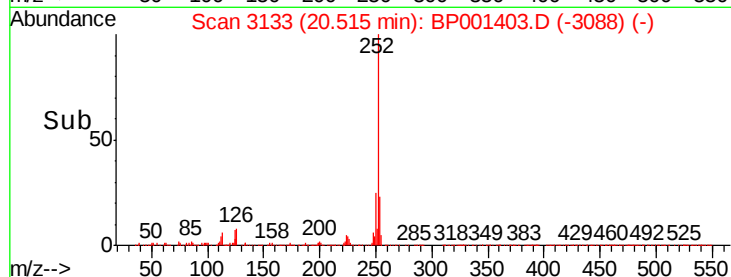
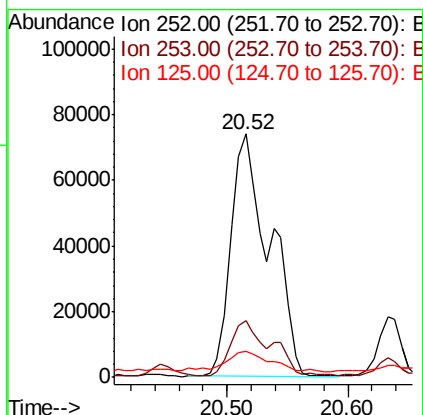
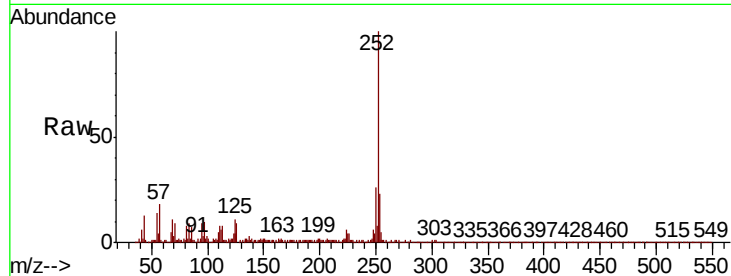




#89
Benzo(k)fluoranthene
Concen: 21.298 ng
RT: 20.52 min Scan# 3133
Delta R.T. -0.04 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

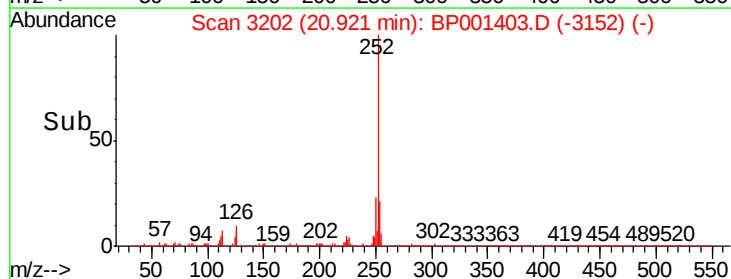
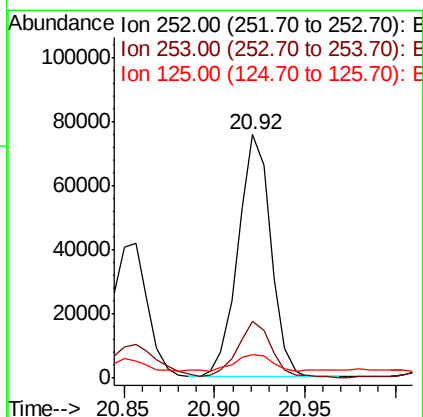
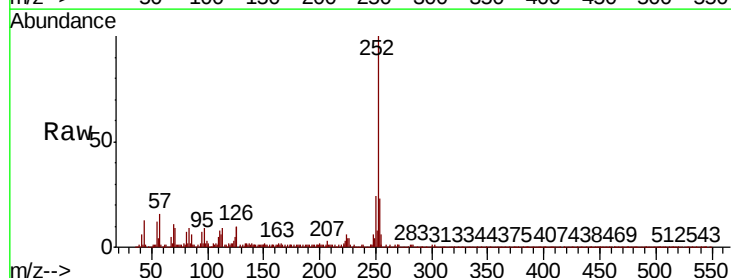
Instrument :
BNA_P
ClientSampleId :

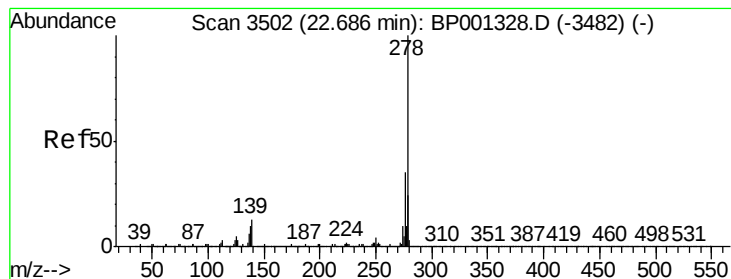
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	10.6	4.5	6.7#



#90
Benzo(a)pyrene
Concen: 12.838 ng
RT: 20.92 min Scan# 3202
Delta R.T. -0.01 min
Lab File: BP001403.D
Acq: 24 Dec 2019 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	9.7	5.2	7.8#





#91

Dibenzo(a,h)anthracene

Concen: 2.223 ng

RT: 22.63 min Scan# 3493

Delta R.T. -0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Instrument :

BNA_P

ClientSampleId :

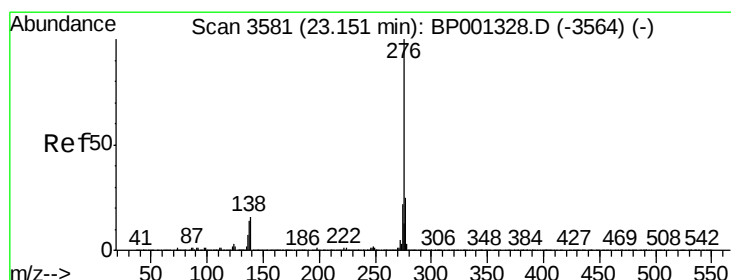
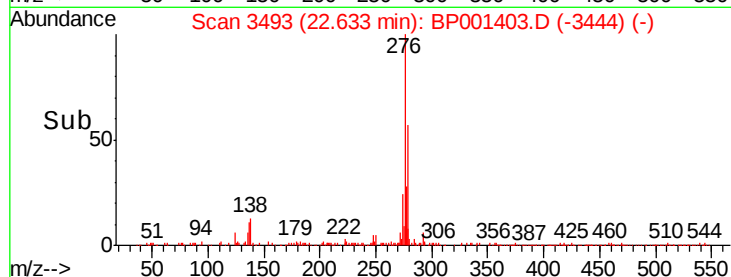
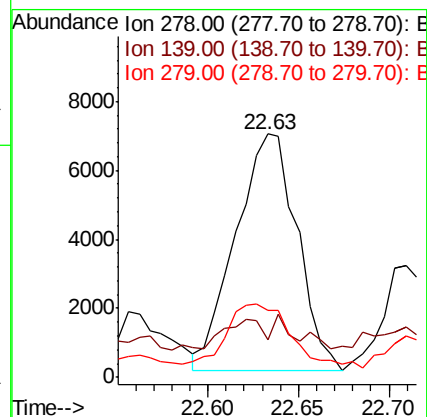
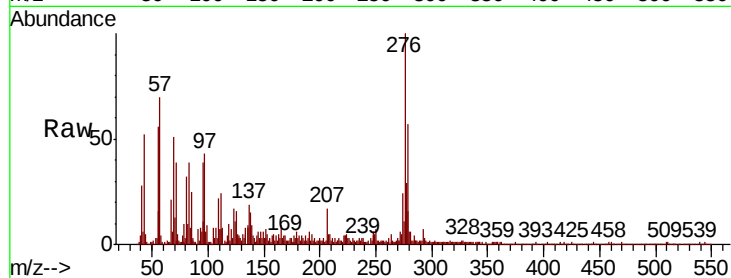
Tot Ion:278 Resp: 16096

Ion Ratio Lower Upper

278 100

139 15.6 8.3 12.5#

279 27.4 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 7.391 ng

RT: 23.10 min Scan# 3572

Delta R.T. -0.01 min

Lab File: BP001403.D

Acq: 24 Dec 2019 23:34

Tgt Ion:276 Resp: 51136

Ion Ratio Lower Upper

276 100

277 25.9 18.6 27.8

138 17.1 10.5 15.7#

