

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122019\
 Data File : BP001353.D
 Acq On : 20 Dec 2019 20:14
 Operator : JU
 Sample : K6107-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 20 22:09:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 20 03:20:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	43200	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	151173	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	85850	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	163222	20.00	ng	0.00
76) Chrysene-d12	19.25	240	137136	20.00	ng	0.00
87) Perylene-d12	21.02	264	149836	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	379337	141.92	ng	0.01
7) Phenol-d6	7.76	99	519088	148.83	ng	0.00
23) Nitrobenzene-d5	9.19	82	353691	89.85	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	142820	133.06	ng	0.00
45) 2-Fluorobiphenyl	12.12	172	557957	82.18	ng	0.00
79) Terphenyl-d14	17.89	244	660671	82.51	ng	0.00

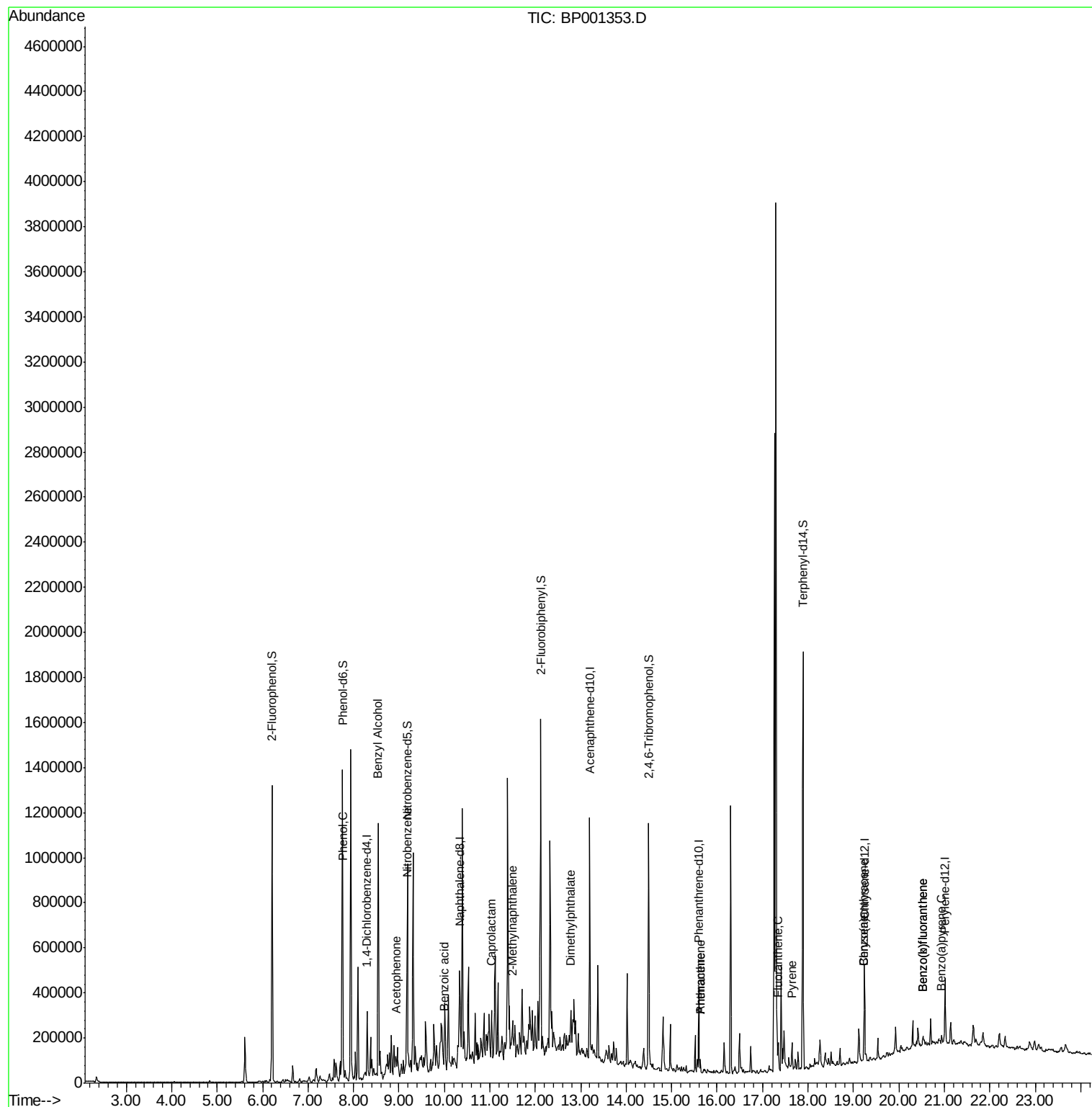
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.77	94	22154	5.559	ng	84
15) Benzyl Alcohol	8.54	79	8108	2.477	ng	# 60
22) Acetophenone	8.94	105	25681	5.372	ng	# 52
24) Nitrobenzene	9.17	77	8710	2.248	ng	# 28
32) Benzoic acid	9.99	122	372	5.225	ng	# 1
35) Caprolactam	11.04	113	1981	2.646	ng	# 1
37) 2-Methylnaphthalene	11.50	142	12673	2.225	ng	# 80
50) Dimethylphthalate	12.79	163	51879	7.366	ng	# 98
71) Phenanthrene	15.63	178	27354	2.937	ng	99
72) Anthracene	15.63	178	27354	2.967	ng	99
75) Fluoranthene	17.35	202	51298	4.926	ng	98
78) Pyrene	17.65	202	46550	4.372	ng	# 95
81) Benzo(a)anthracene	19.23	228	25895	2.591	ng	95
83) Chrysene	19.23	228	25895	2.685	ng	96
88) Benzo(b)fluoranthene	20.53	252	34379	3.494	ng	# 93
89) Benzo(k)fluoranthene	20.53	252	34379	3.668	ng	# 92
90) Benzo(a)pyrene	20.94	252	18971	2.116	ng	# 89

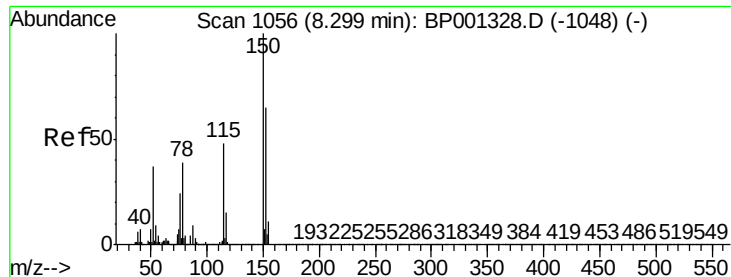
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.30 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

Instrument :

BNA_P

ClientSampleId :

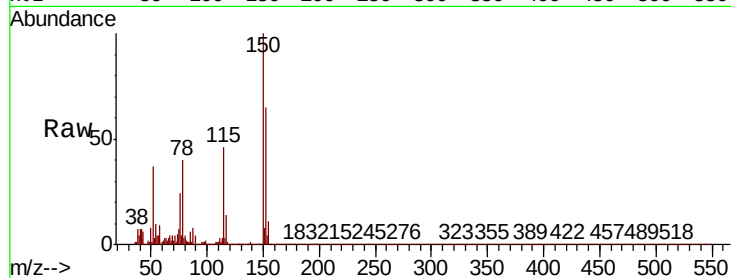
Tot Ion:152 Resp: 43200

Ion Ratio Lower Upper

152 100

150 153.8 124.0 186.0

115 70.9 59.3 88.9

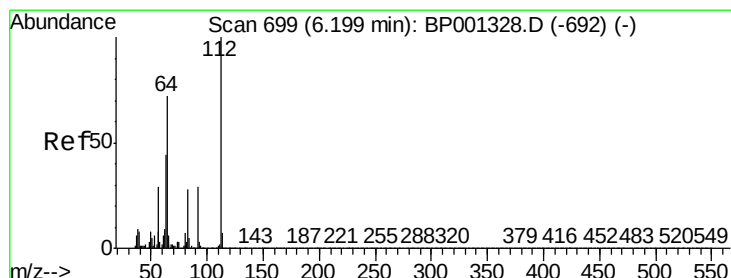
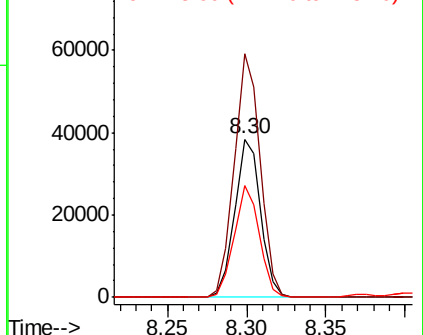
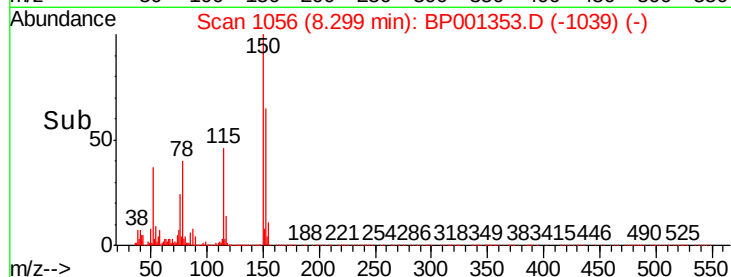


Abundance

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: 141.917 ng

RT: 6.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

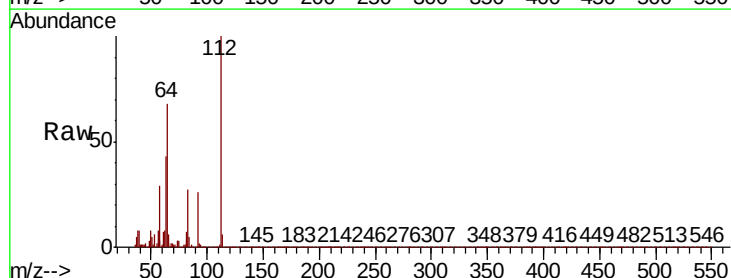
Tgt Ion:112 Resp: 379337

Ion Ratio Lower Upper

112 100

64 68.2 57.6 86.4

63 42.8 35.1 52.7

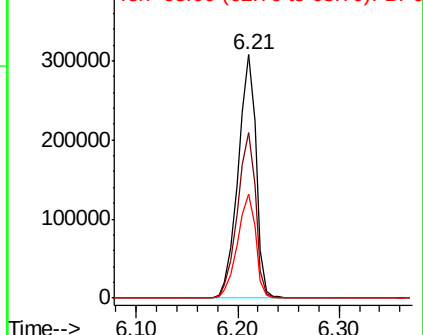
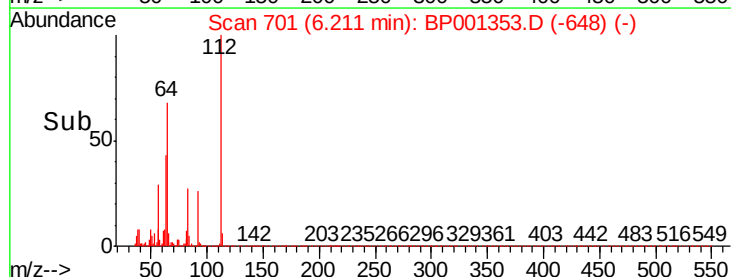


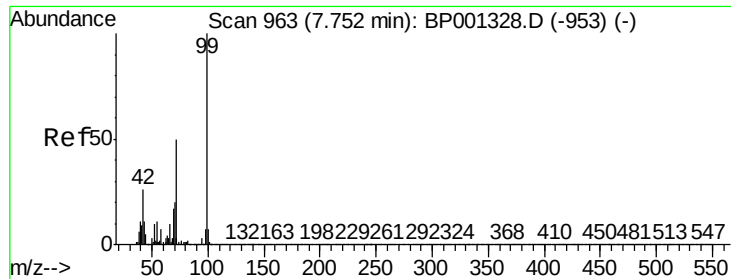
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 148.827 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

Instrument :

BNA_P

ClientSampleId :

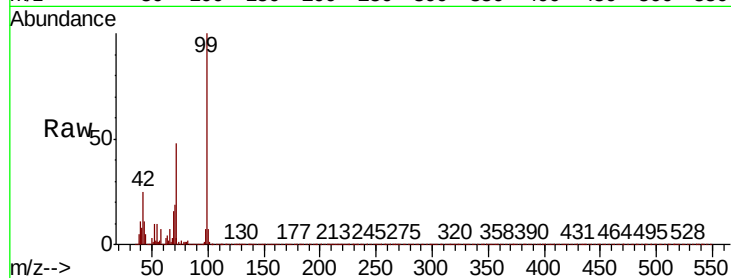
Tot Ion: 99 Resp: 519088

Ion Ratio Lower Upper

99 100

42 25.0 20.9 31.3

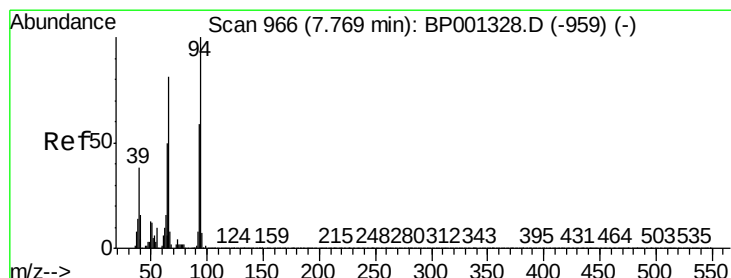
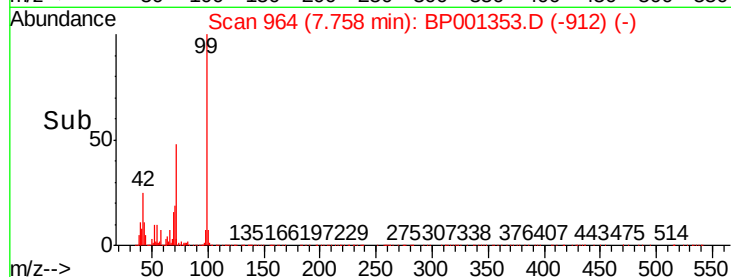
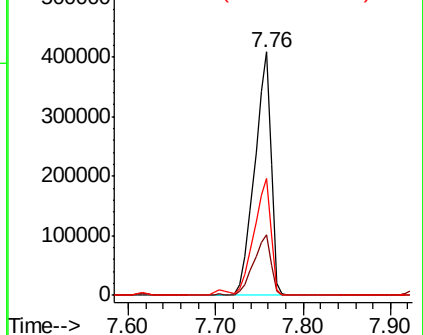
71 48.2 40.0 60.0



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: 5.559 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.00 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

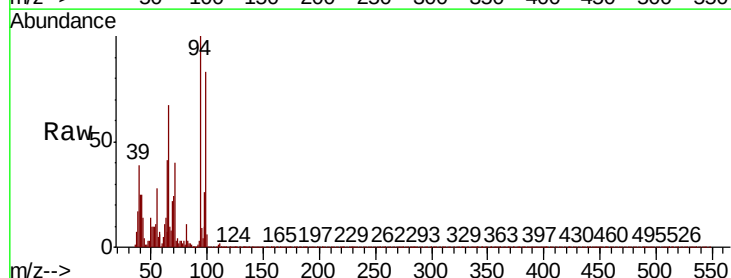
Tgt Ion: 94 Resp: 22154

Ion Ratio Lower Upper

94 100

65 40.8 30.4 70.4

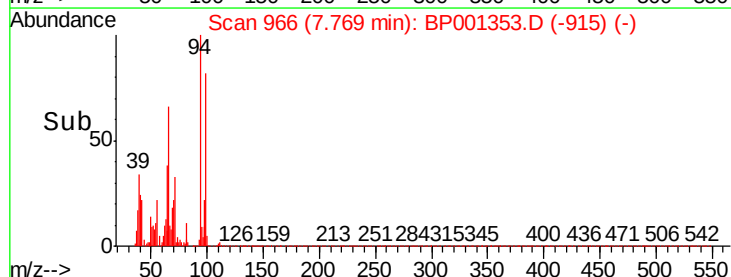
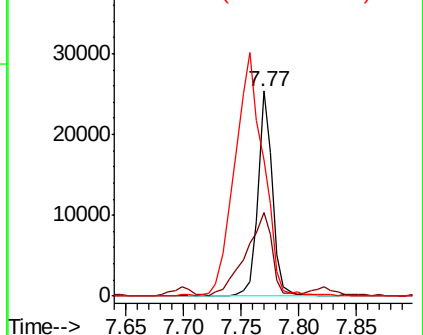
66 66.7 62.0 102.0

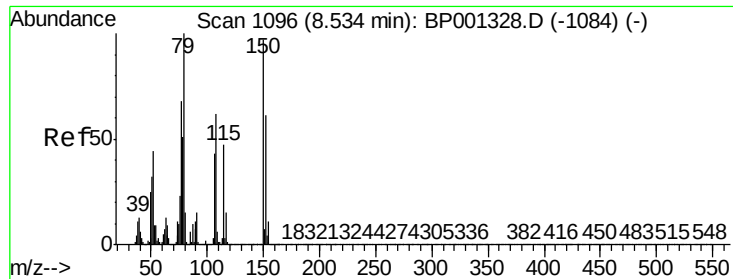


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

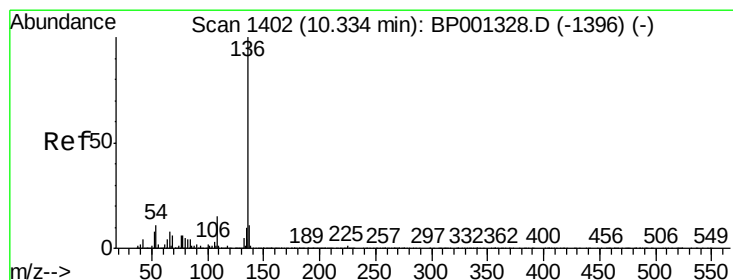
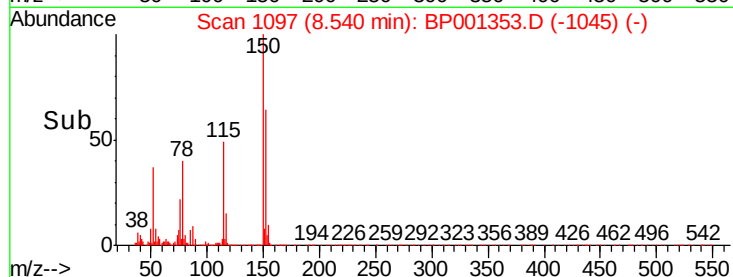
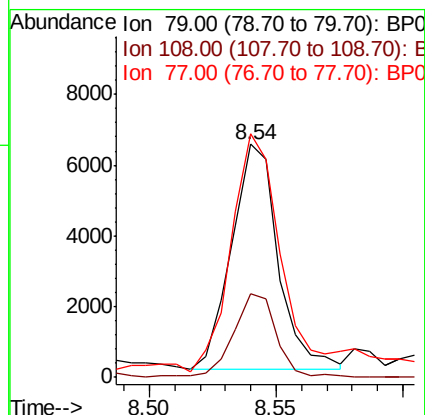
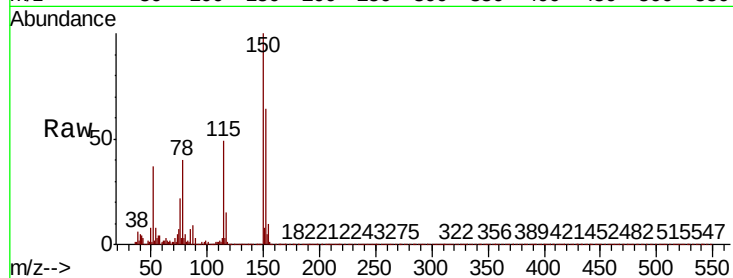




#15
Benzyl Alcohol
Concen: 2.477 ng
RT: 8.54 min Scan# 1097
Delta R.T. 0.01 min
Lab File: BP001353.D
Acq: 20 Dec 2019 20:14

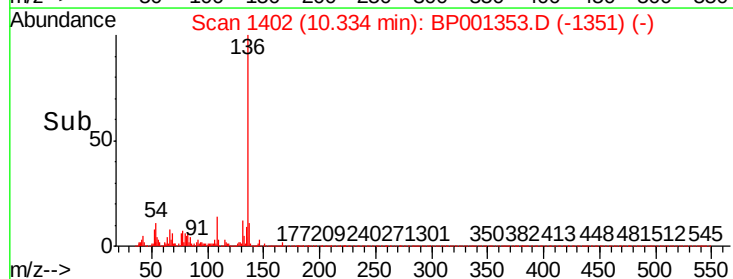
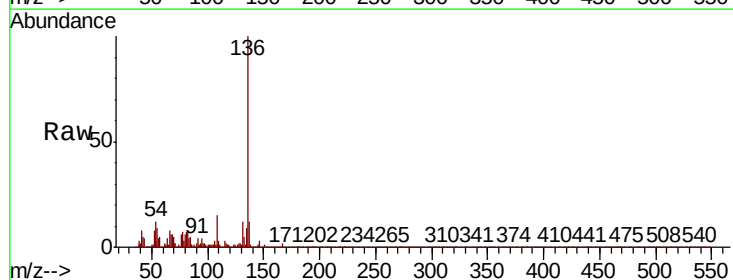
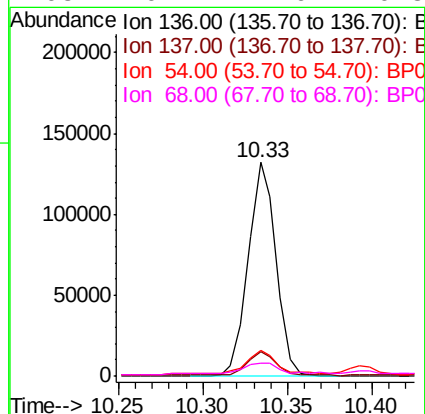
Instrument :
BNA_P
ClientSampleId :

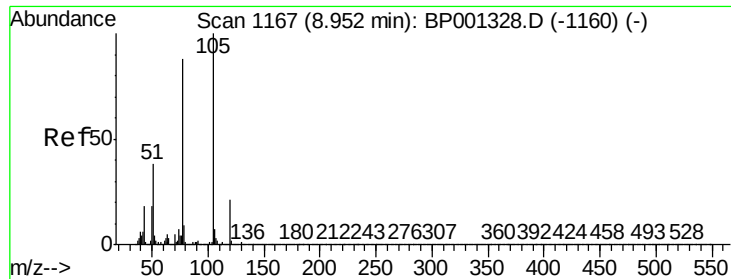
Tot Ion	Ratio	Lower	Upper
79	100		
108	35.6	49.3	73.9#
77	104.3	54.4	81.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.00 min
Lab File: BP001353.D
Acq: 20 Dec 2019 20:14

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	11.7	8.8	13.2
68	6.2	4.6	6.8

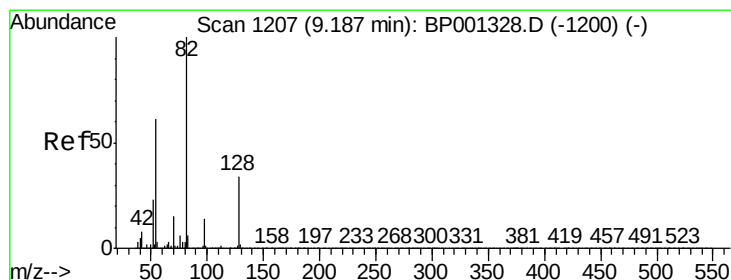
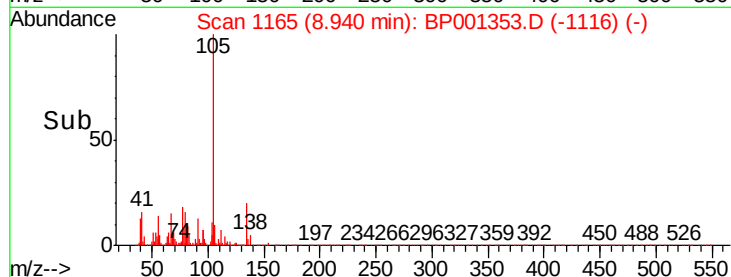
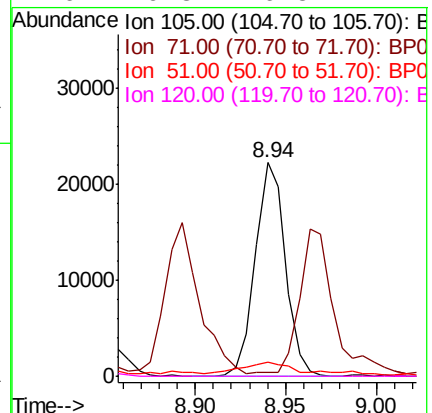
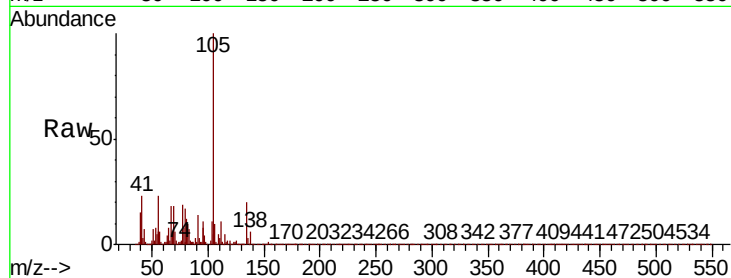




#22
Acetophenone
Concen: 5.372 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BP001353.D
Acq: 20 Dec 2019 20:14

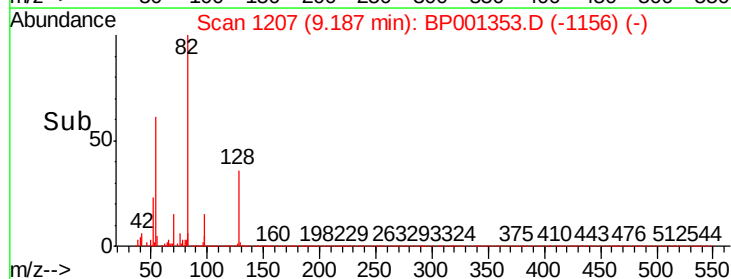
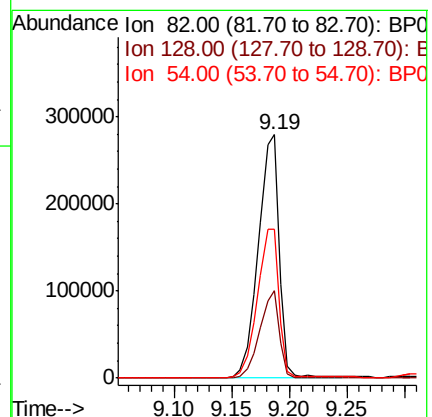
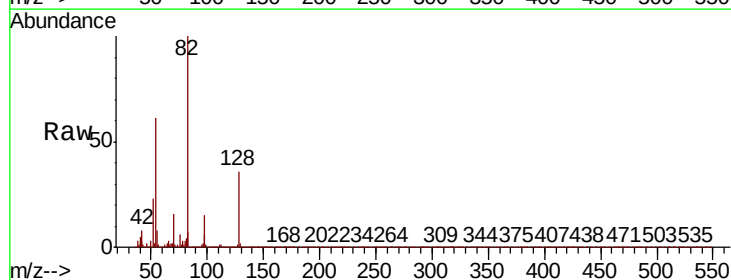
Instrument :
BNA_P
ClientSampleId :

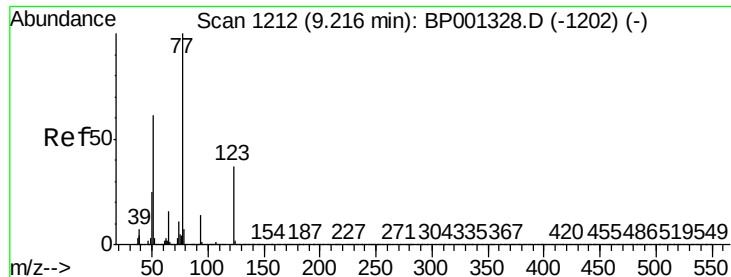
Tot Ion	Ratio	Lower	Upper
105	100		
71	2.0	0.8	1.2#
51	6.7	30.6	45.8#
120	0.3	16.5	24.7#



#23
Nitrobenzene-d5
Concen: 89.845 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BP001353.D
Acq: 20 Dec 2019 20:14

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.7	27.0	40.4
54	60.9	49.0	73.4





#24

Nitrobenzene

Concen: 2.248 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.05 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

Instrument :

BNA_P

ClientSampleId :

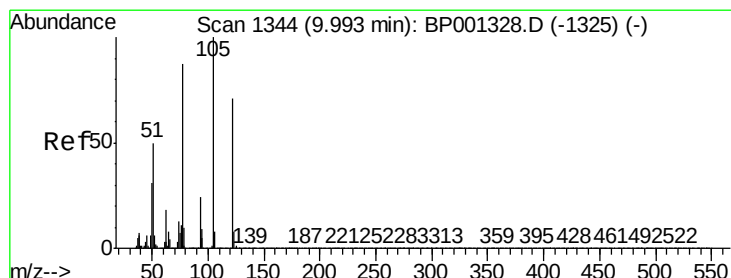
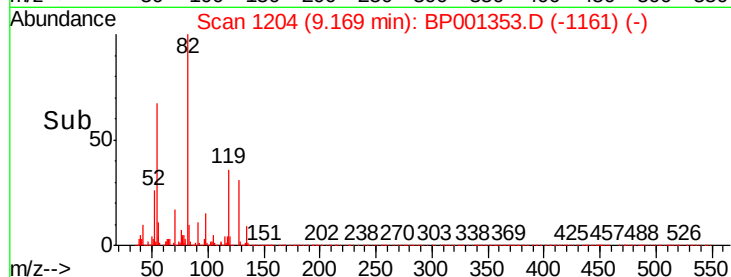
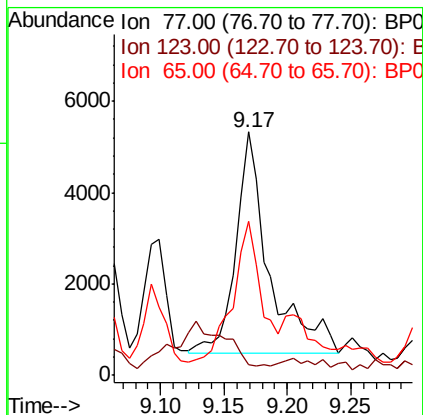
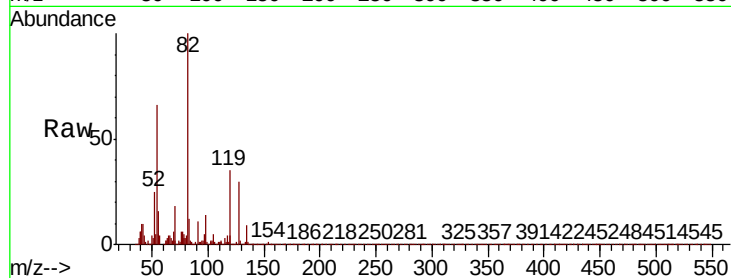
Tot Ion: 77 Resp: 8710

Ion Ratio Lower Upper

77 100

123 4.4 29.4 44.0#

65 63.4 12.4 18.6#



#32

Benzoic acid

Concen: 5.225 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

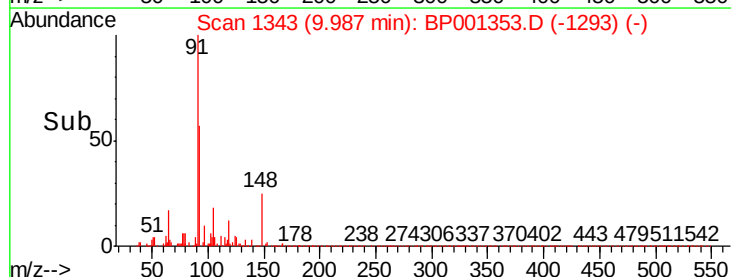
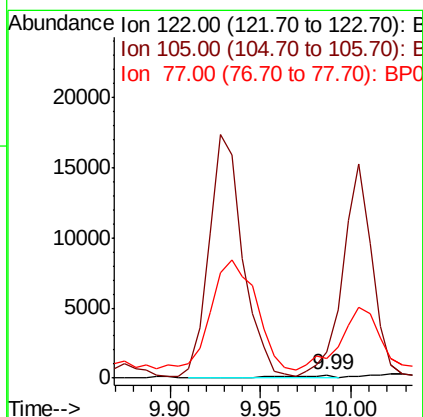
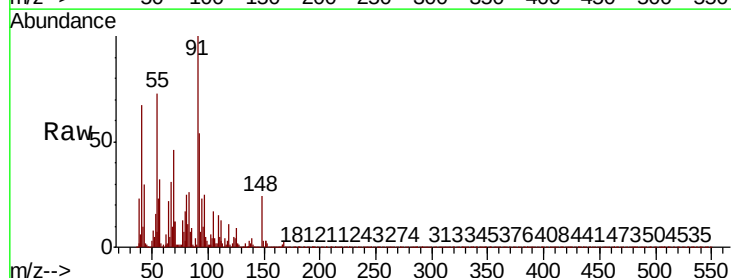
Tgt Ion: 122 Resp: 372

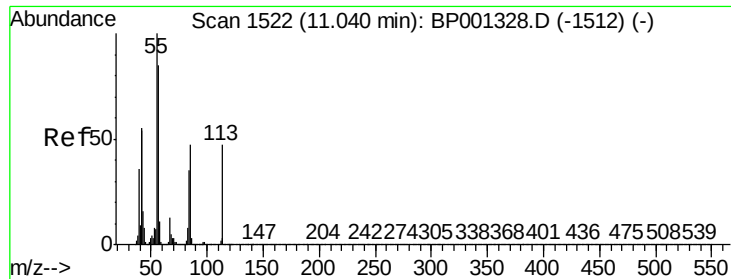
Ion Ratio Lower Upper

122 100

105 837.9 118.5 158.5#

77 627.2 101.3 141.3#

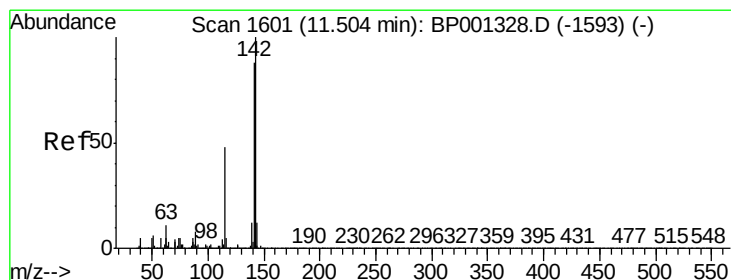
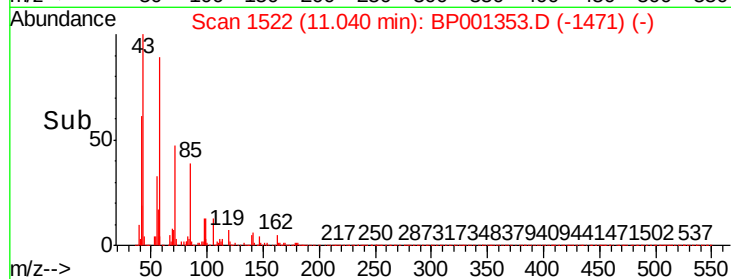
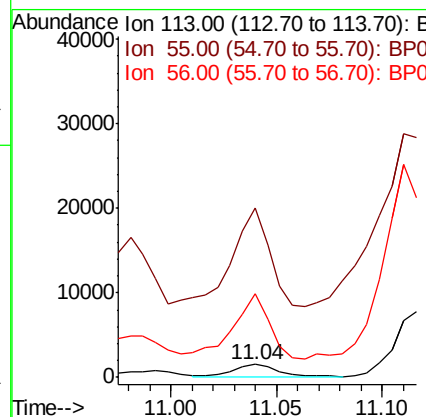
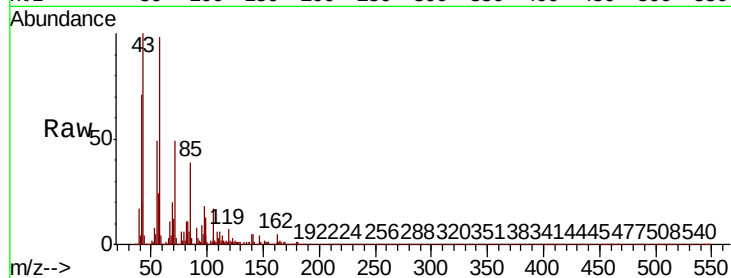




#35
 Caprolactam
 Concen: 2.646 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: BP001353.D
 Acq: 20 Dec 2019 20:14

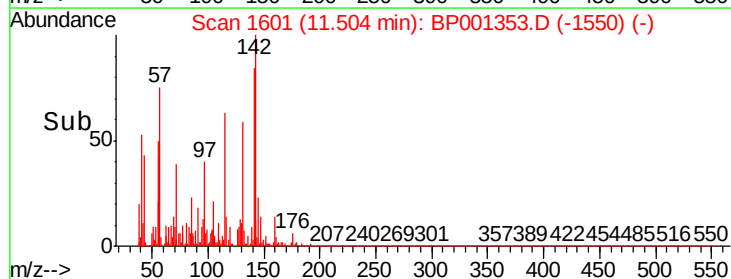
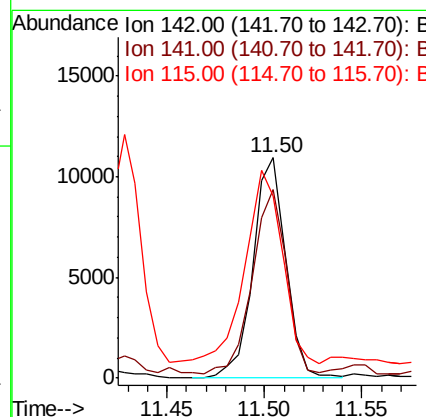
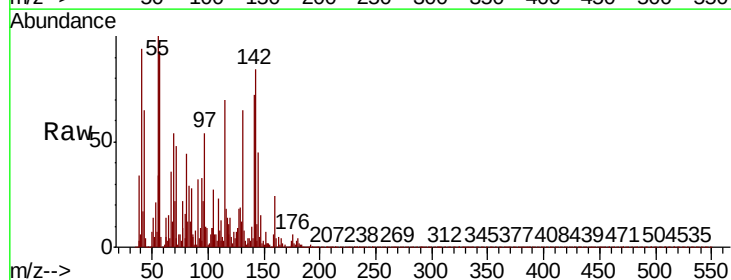
Instrument :
 BNA_P
 ClientSampleId :

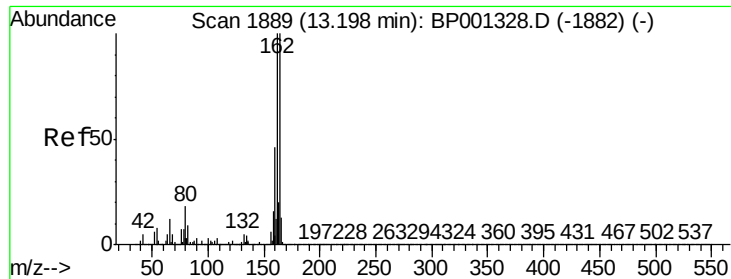
Tot Ion:113 Resp: 1981
 Ion Ratio Lower Upper
 113 100
 55 1320.3 191.5 231.5#
 56 649.8 160.5 200.5#



#37
 2-Methylnaphthalene
 Concen: 2.225 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: BP001353.D
 Acq: 20 Dec 2019 20:14

Tgt Ion:142 Resp: 12673
 Ion Ratio Lower Upper
 142 100
 141 85.6 70.2 105.4
 115 82.7 38.7 58.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.20 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

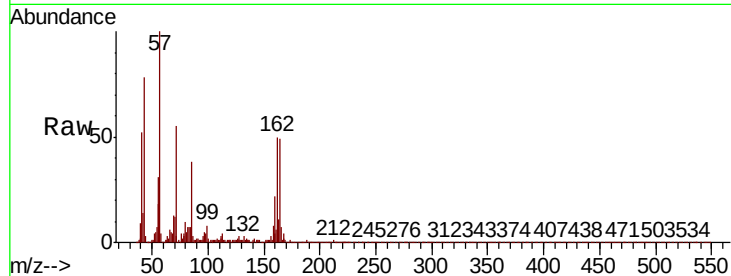
Instrument :

BNA_P

ClientSampleId :

Tot Ion:164 Resp: 85850

Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.3	120.5
160	45.7	36.6	54.8

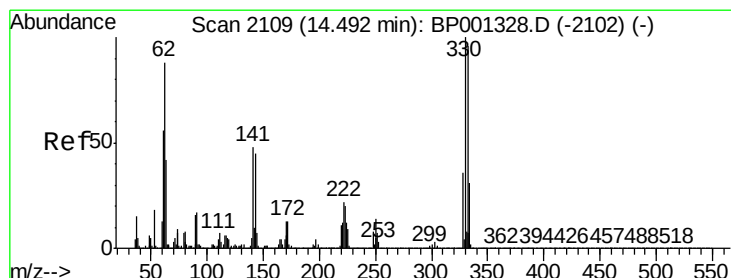
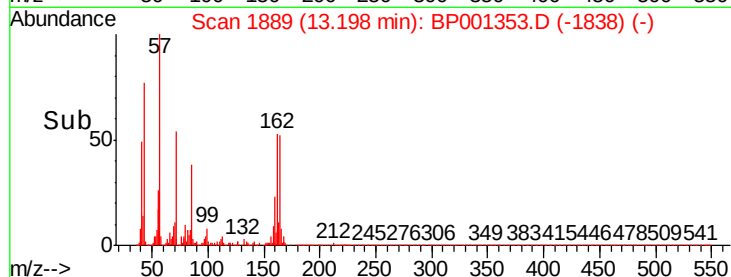
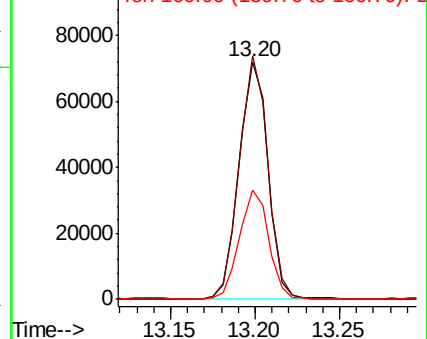


Abundance

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: 133.064 ng

RT: 14.50 min Scan# 2110

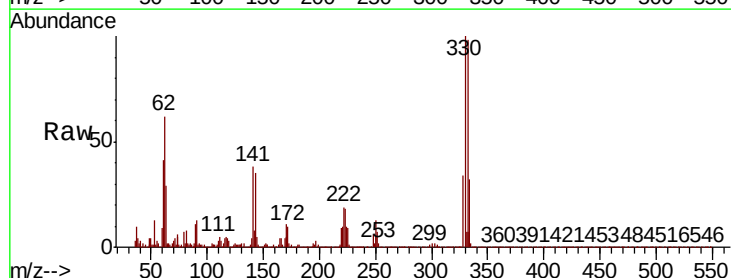
Delta R.T. 0.01 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

Tgt Ion:330 Resp: 142820

Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.7	118.1
141	45.2	36.2	54.4

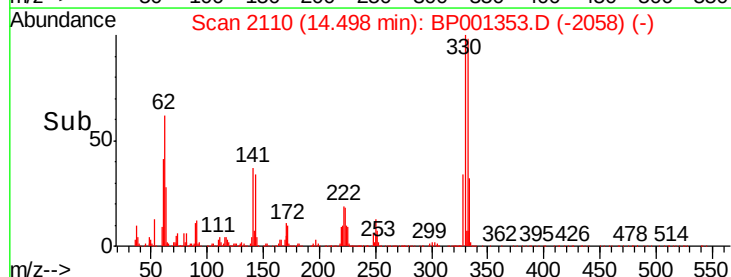
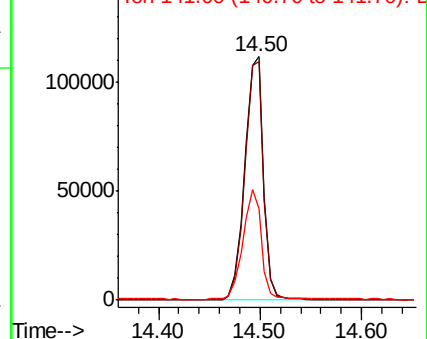


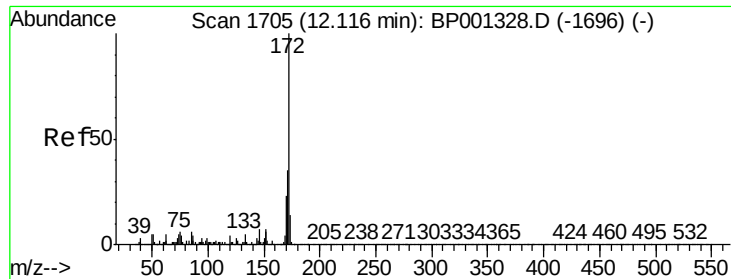
Abundance

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: 82.182 ng

RT: 12.12 min Scan# 1706

Delta R.T. 0.01 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

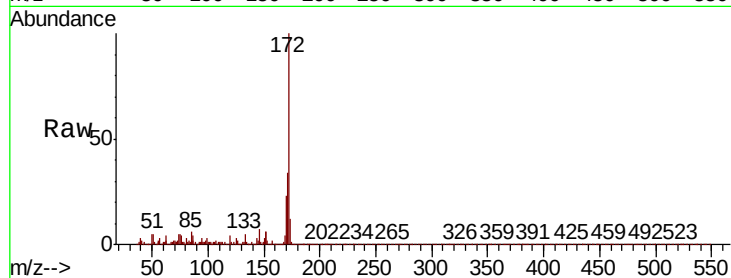
Instrument :

BNA_P

ClientSampleId :

Tot Ion:172 Resp: 557957

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.7	41.5
170	23.3	18.6	28.0

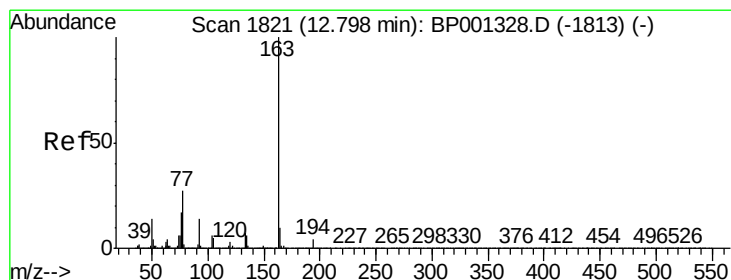
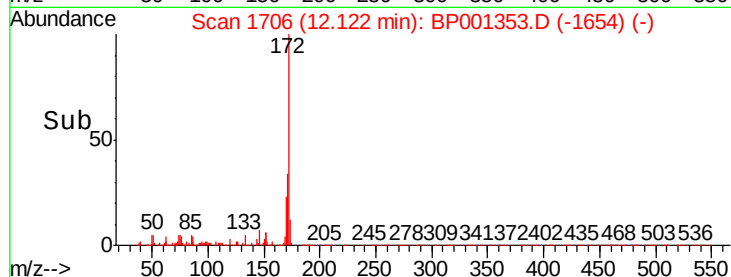
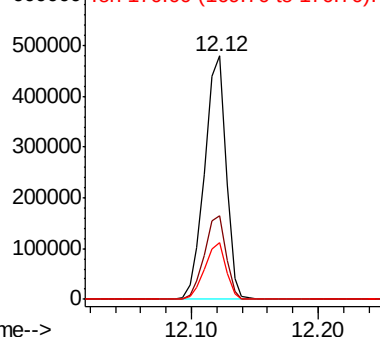


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 7.366 ng

RT: 12.79 min Scan# 1819

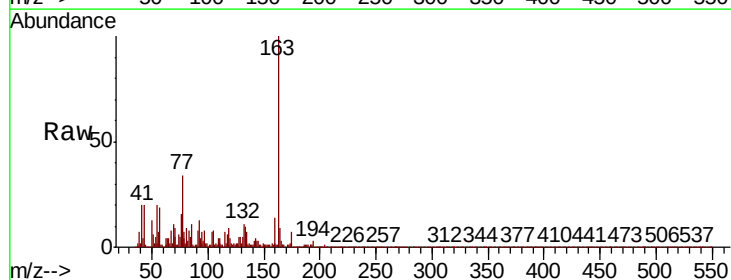
Delta R.T. -0.01 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

Tgt Ion:163 Resp: 51879

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.4	5.0#
164	9.2	7.9	11.9

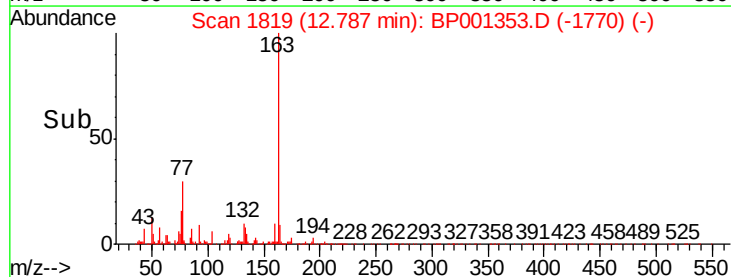
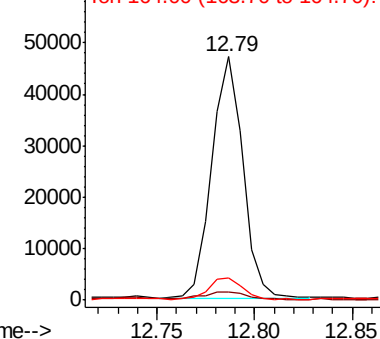


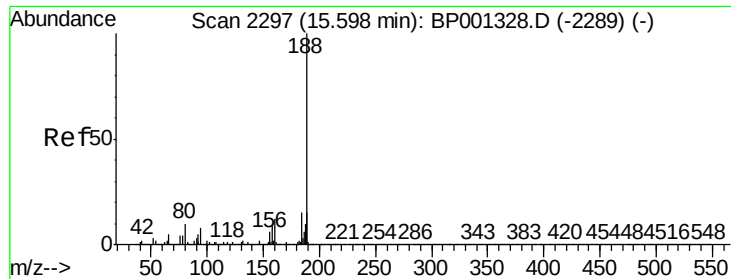
Abundance

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: 15.60 min Scan# 2297

Delta R.T. 0.00 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

Instrument :

BNA_P

ClientSampleId :

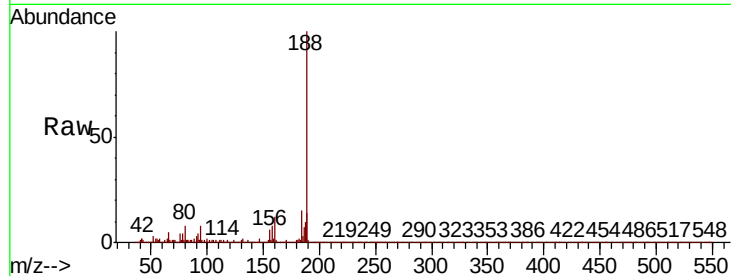
Tot Ion:188 Resp: 163222

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

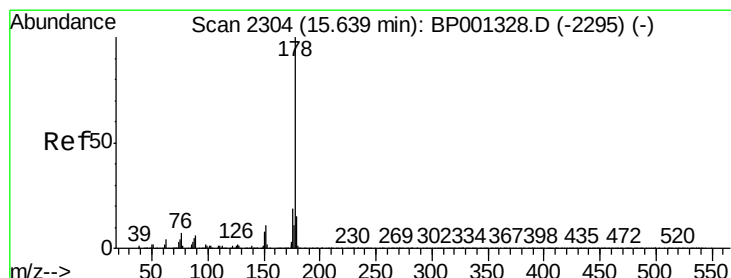
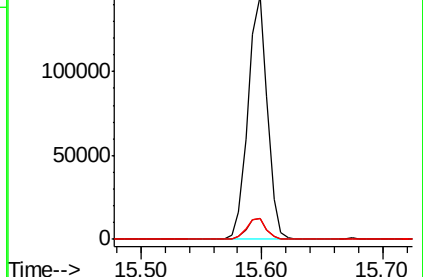
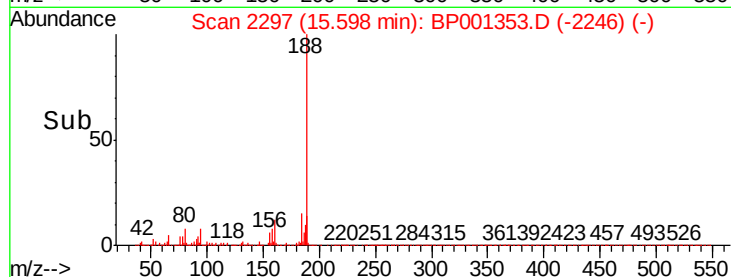
80 8.4 7.8 11.6



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: 2.937 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

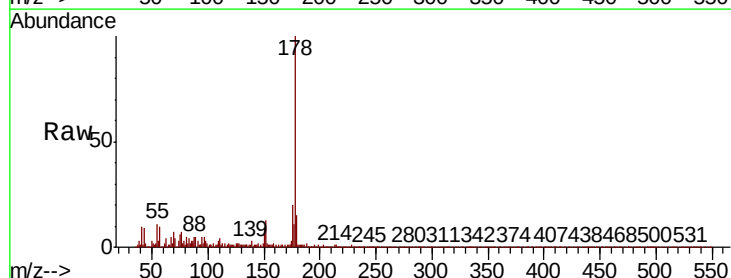
Tgt Ion:178 Resp: 27354

Ion Ratio Lower Upper

178 100

176 19.7 15.2 22.8

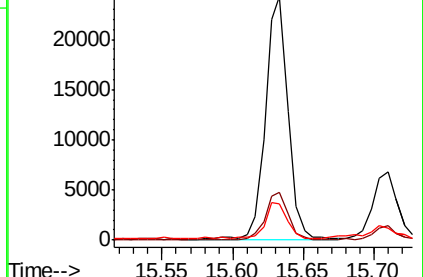
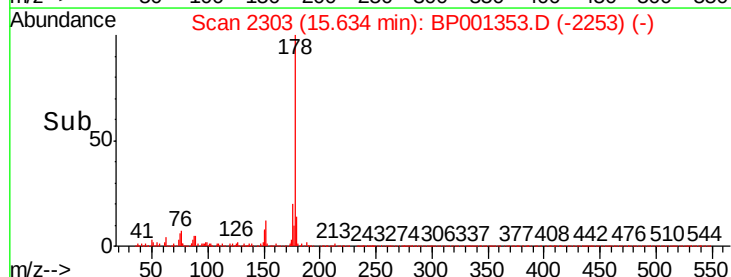
179 14.9 12.0 18.0

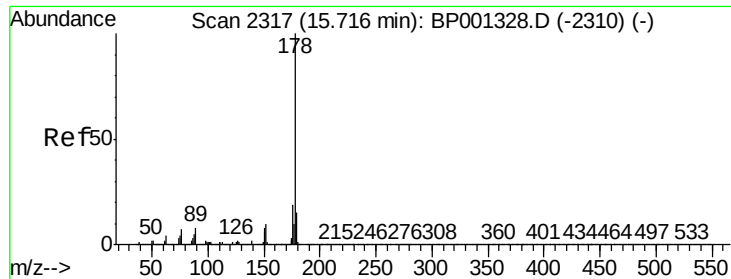


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

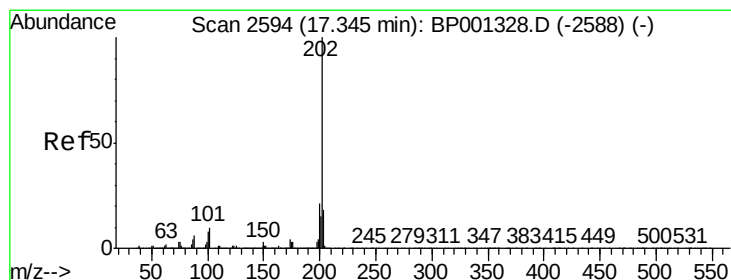
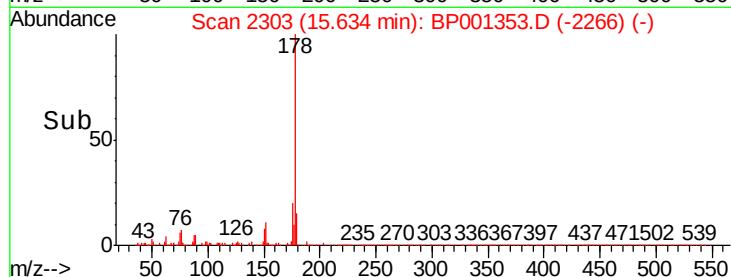
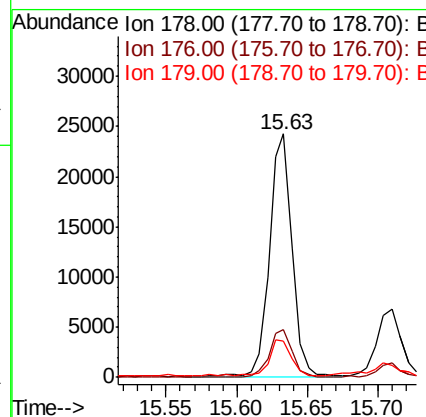
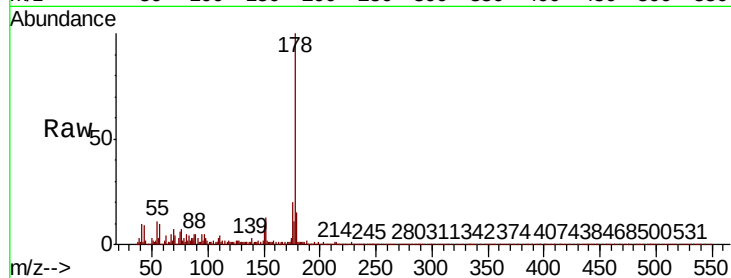




#72
 Anthracene
 Concen: 2.967 ng
 RT: 15.63 min Scan# 2303
 Delta R.T. -0.08 min
 Lab File: BP001353.D
 Acq: 20 Dec 2019 20:14

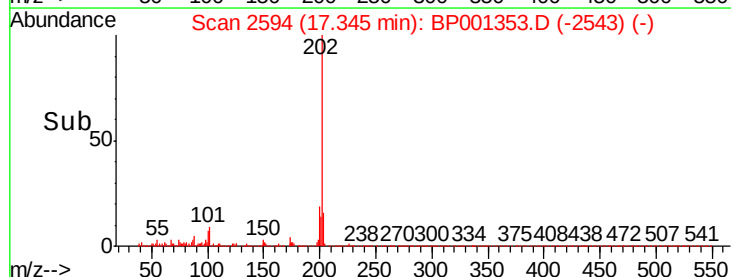
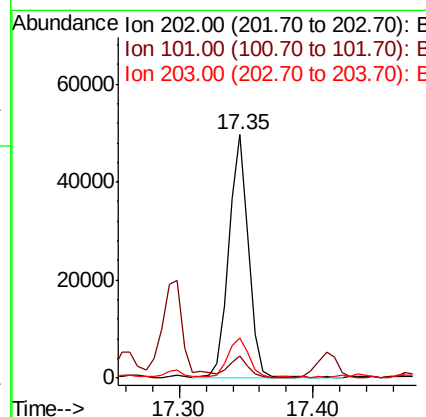
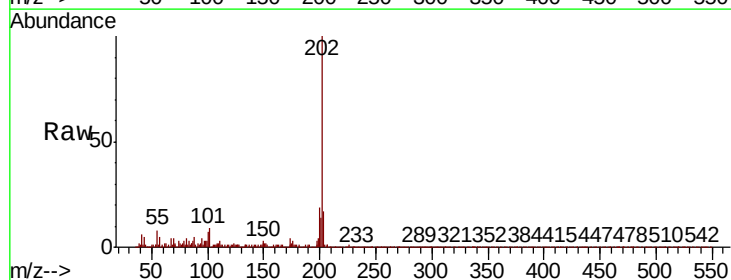
Instrument :
 BNA_P
 ClientSampleId :

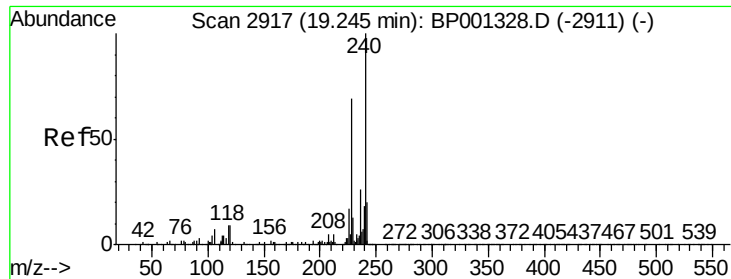
Tot Ion:178 Resp: 27354
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.6
 179 14.9 11.9 17.9



#75
 Fluoranthene
 Concen: 4.926 ng
 RT: 17.35 min Scan# 2594
 Delta R.T. 0.00 min
 Lab File: BP001353.D
 Acq: 20 Dec 2019 20:14

Tgt Ion:202 Resp: 51298
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 29.9
 203 16.6 0.0 37.6

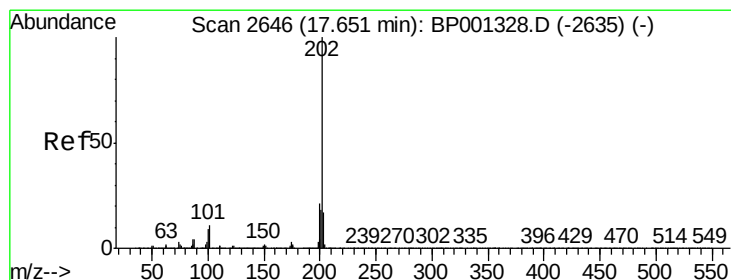
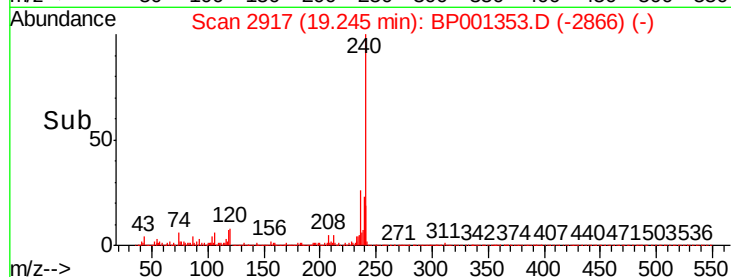
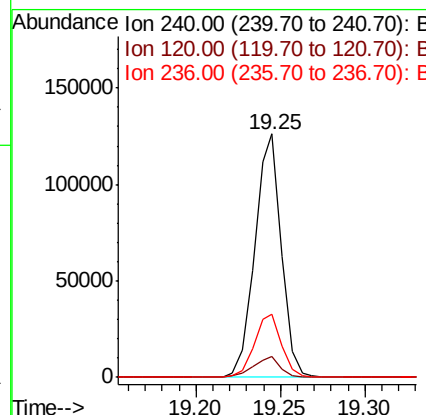
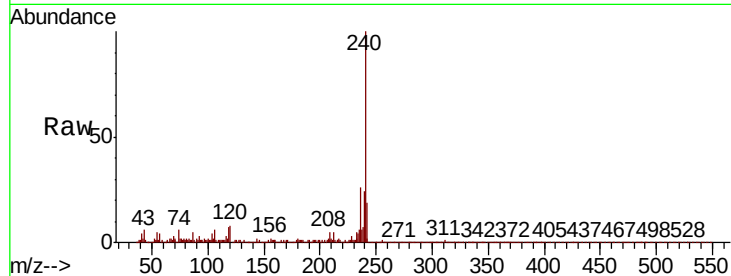




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.25 min Scan# 2917
Delta R.T. 0.00 min
Lab File: BP001353.D
Acq: 20 Dec 2019 20:14

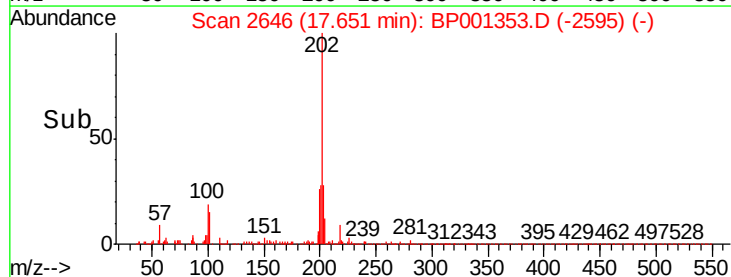
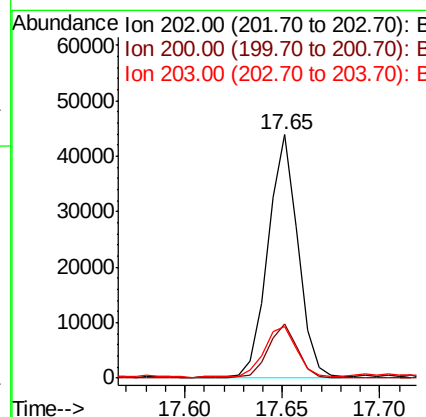
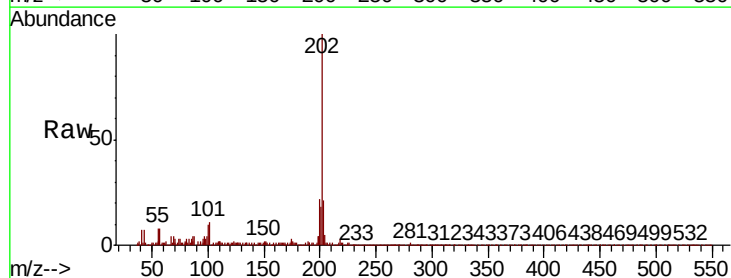
Instrument :
BNA_P
ClientSampleId :

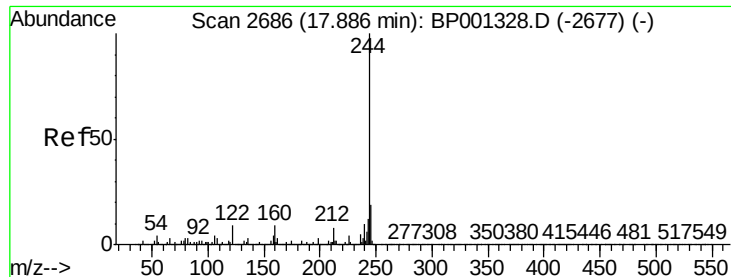
Tot Ion:240 Resp: 137136
Ion Ratio Lower Upper
240 100
120 8.4 7.6 11.4
236 25.8 21.0 31.4



#78
Pyrene
Concen: 4.372 ng
RT: 17.65 min Scan# 2646
Delta R.T. 0.00 min
Lab File: BP001353.D
Acq: 20 Dec 2019 20:14

Tgt Ion:202 Resp: 46550
Ion Ratio Lower Upper
202 100
200 22.0 16.8 25.2
203 21.2 13.8 20.8#





#79

Terphenyl-d14

Concen: 82.515 ng

RT: 17.89 min Scan# 2686

Delta R.T. 0.00 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

Instrument :

BNA_P

ClientSampleId :

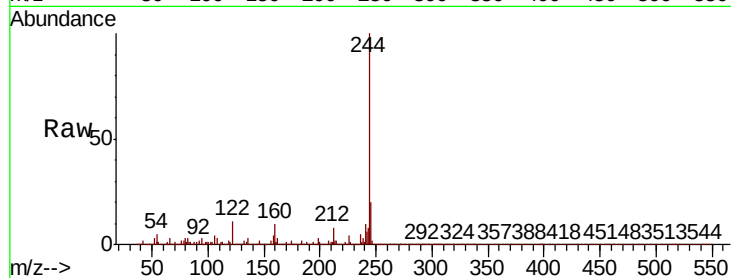
Tot Ion:244 Resp: 660671

Ion Ratio Lower Upper

244 100

212 8.4 6.6 9.8

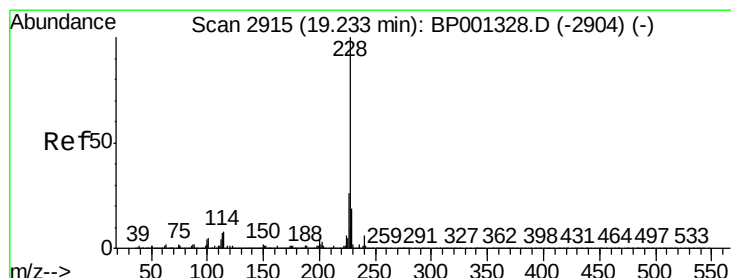
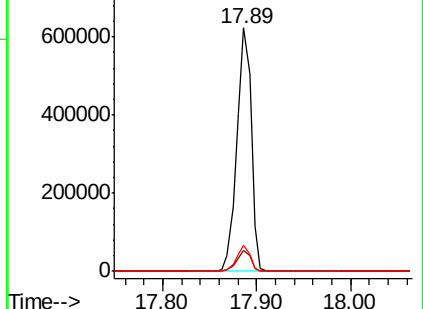
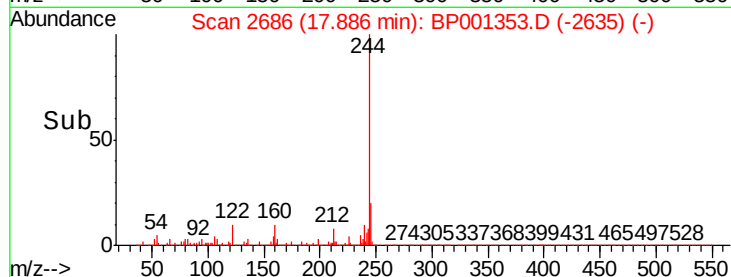
122 10.5 7.6 11.4



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: 2.591 ng

RT: 19.23 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

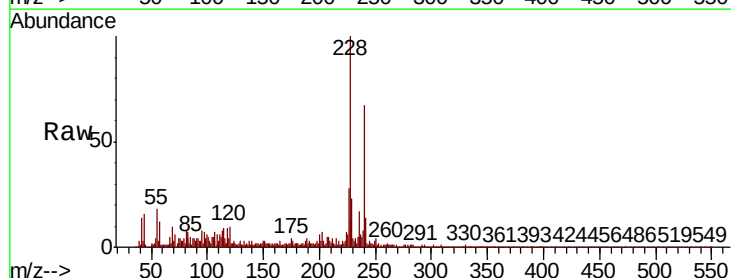
Tgt Ion:228 Resp: 25895

Ion Ratio Lower Upper

228 100

226 28.3 21.2 31.8

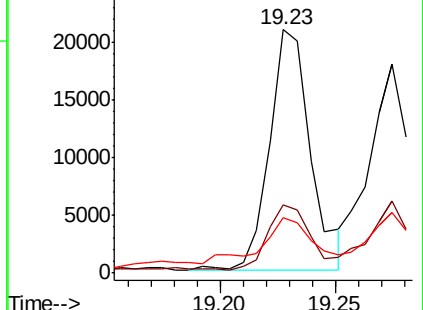
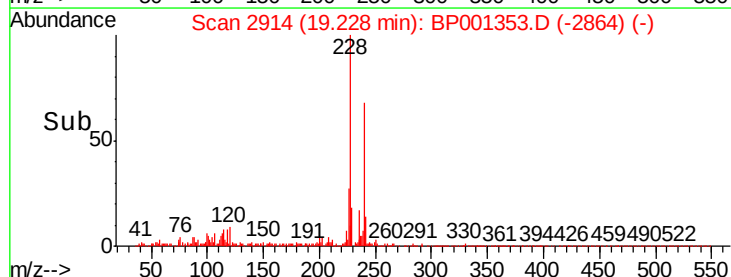
229 22.7 15.4 23.0

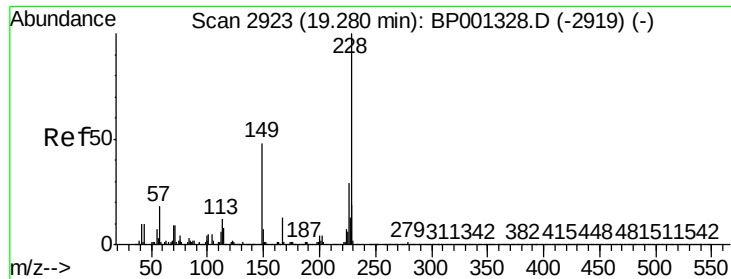


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

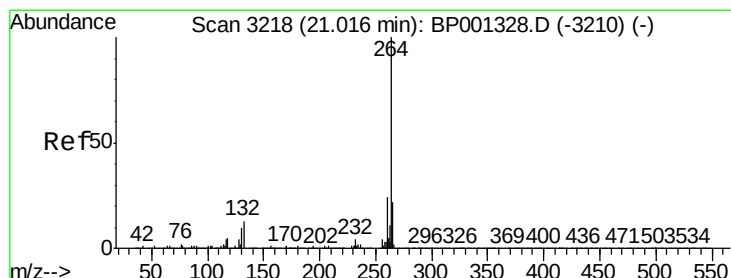
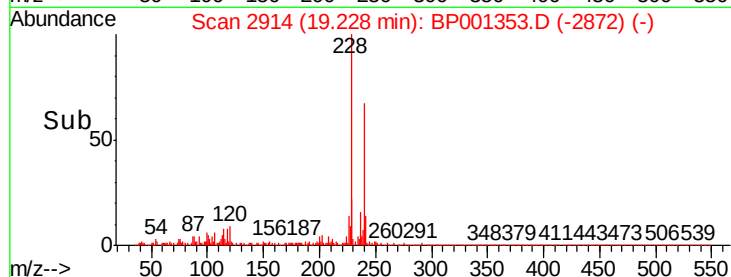
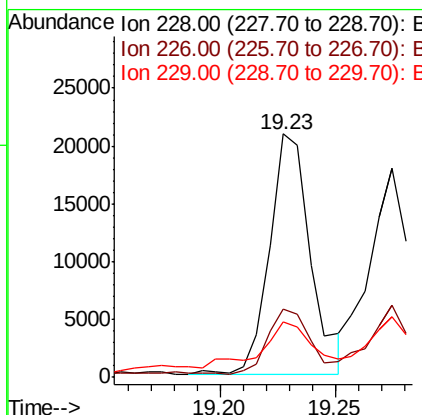
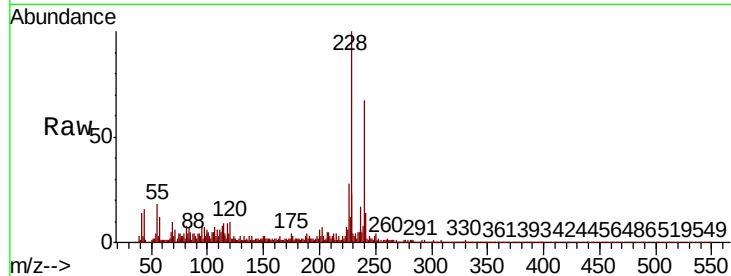




#83
Chrysene
Concen: 2.685 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.05 min
Lab File: BP001353.D
Acq: 20 Dec 2019 20:14

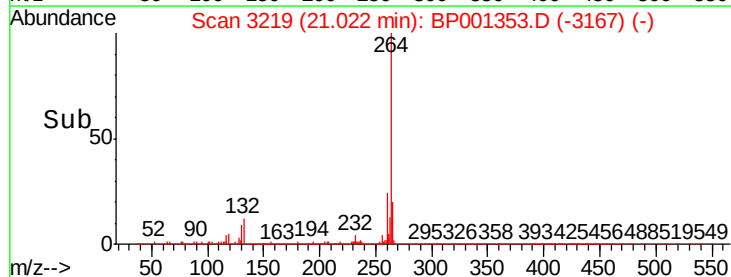
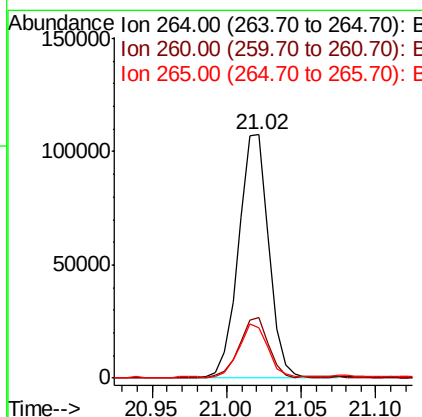
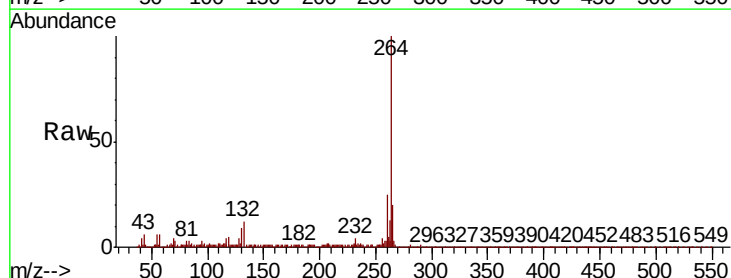
Instrument :
BNA_P
ClientSampled :

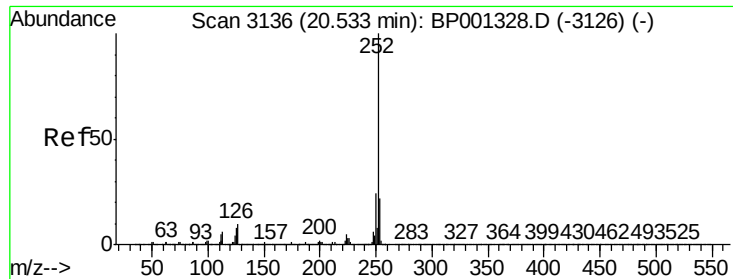
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.1	34.7
229	22.7	15.4	23.2



#87
Perylene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3219
Delta R.T. 0.01 min
Lab File: BP001353.D
Acq: 20 Dec 2019 20:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	20.5	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 3.494 ng

RT: 20.53 min Scan# 3135

Delta R.T. -0.01 min

Lab File: BP001353.D

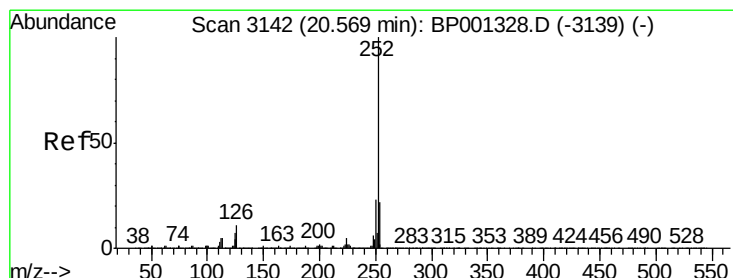
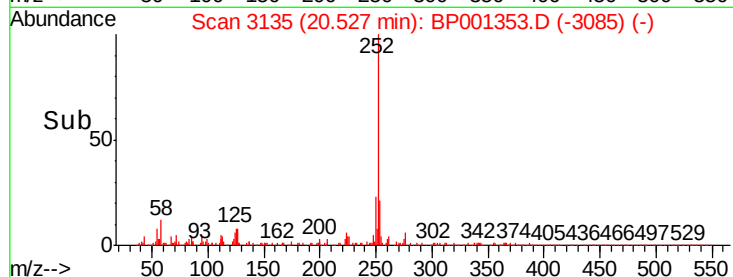
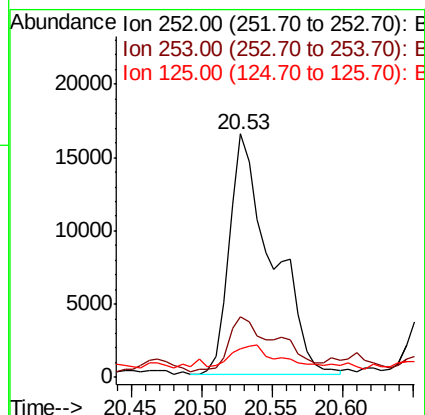
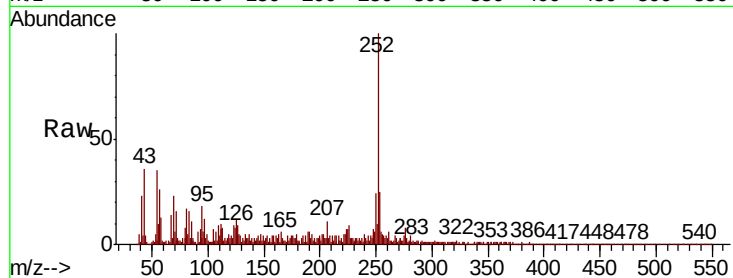
Acq: 20 Dec 2019 20:14

Instrument :

BNA_P

ClientSampleId :

Tot Ion:252	Resp:	34379
Ion Ratio	Lower	Upper
252	100	
253	24.8	17.8 26.6
125	11.9	6.3 9.5#



#89

Benzo(k)fluoranthene

Concen: 3.668 ng

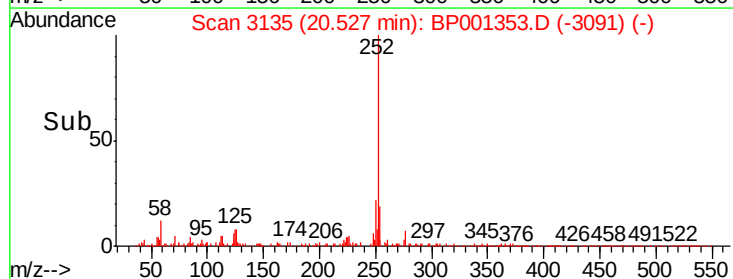
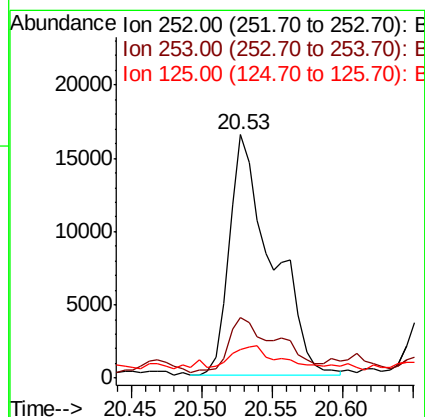
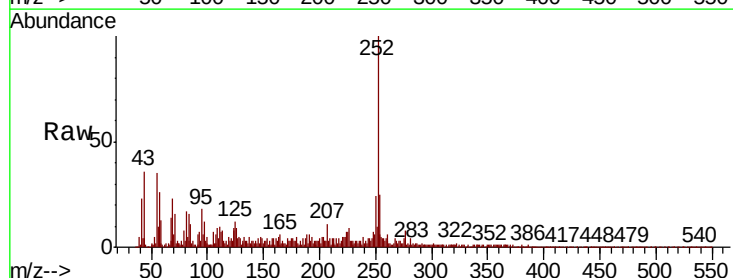
RT: 20.53 min Scan# 3135

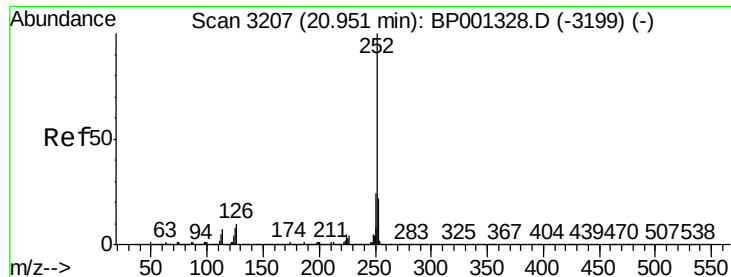
Delta R.T. -0.04 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

Tgt Ion:252	Resp:	34379
Ion Ratio	Lower	Upper
252	100	
253	24.8	17.4 26.0
125	11.9	5.9 8.9#





#90

Benzo(a)pyrene

Concen: 2.116 ng

RT: 20.94 min Scan# 3205

Delta R.T. -0.01 min

Lab File: BP001353.D

Acq: 20 Dec 2019 20:14

Instrument :

BNA_P

ClientSampleId :

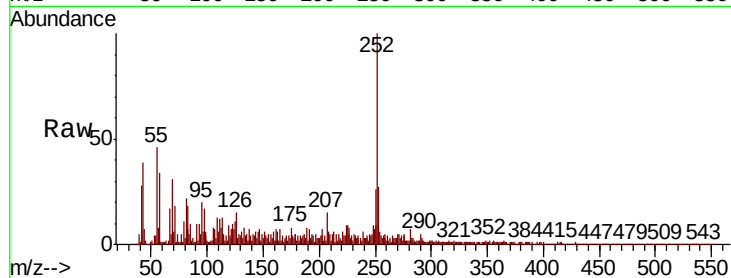
Tot Ion:252 Resp: 18971

Ion Ratio Lower Upper

252 100

253 27.5 17.7 26.5#

125 11.3 6.3 9.5#



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

