

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001401.D
 Acq On : 24 Dec 2019 22:34
 Operator : JU
 Sample : K6396-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 25 00:58:59 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

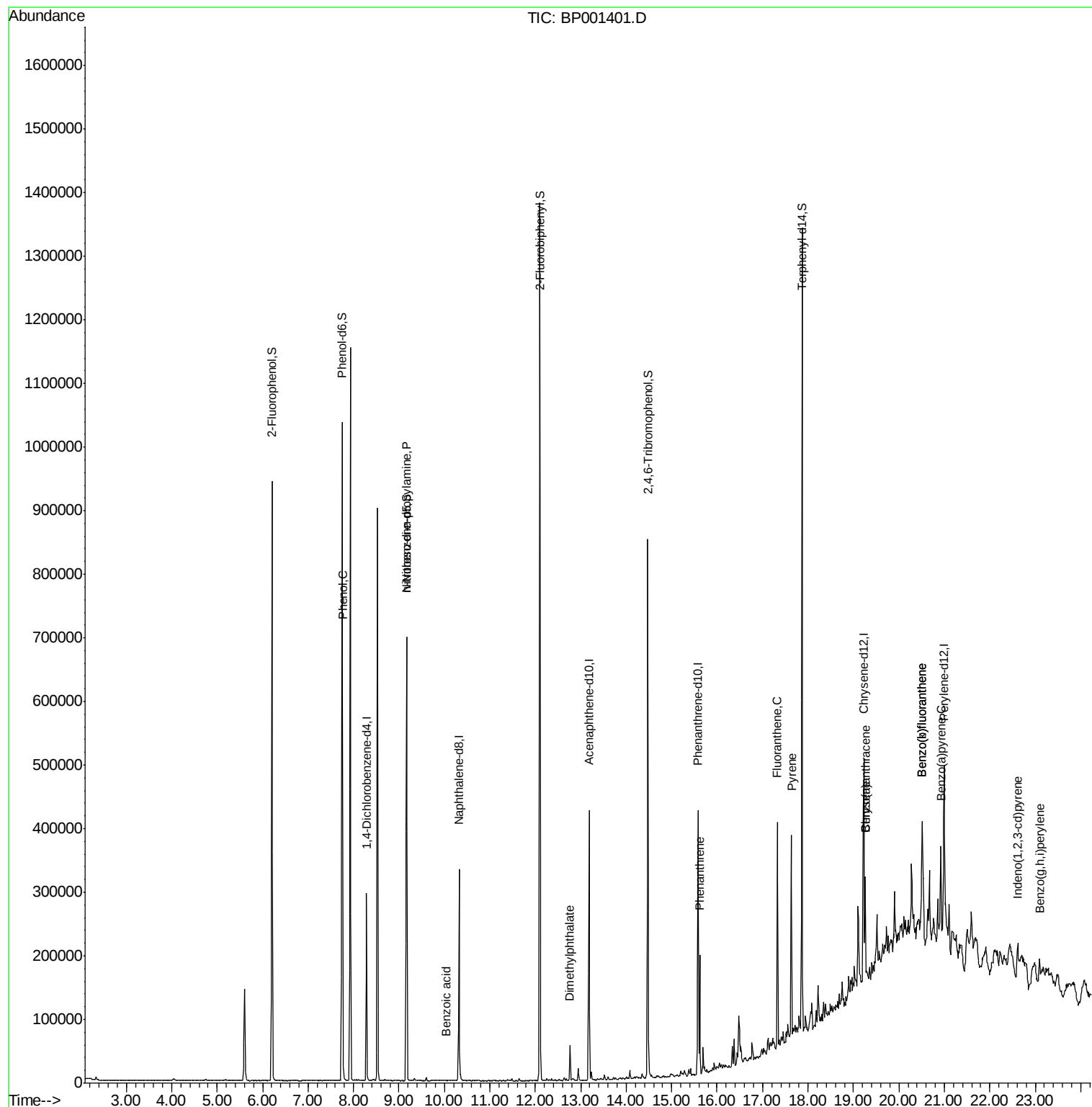
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	46714	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	177722	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	105367	20.00	ng	0.00
64) Phenanthrene-d10	15.58	188	184029	20.00	ng	0.00
76) Chrysene-d12	19.23	240	115540	20.00	ng	0.00
87) Perylene-d12	20.99	264	120207	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	281298	97.32	ng	0.00
7) Phenol-d6	7.75	99	394995	104.73	ng	0.00
23) Nitrobenzene-d5	9.17	82	272768	58.94	ng	0.00
42) 2,4,6-Tribromophenol	14.47	330	110234	83.68	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	516998	62.04	ng	0.00
79) Terphenyl-d14	17.87	244	451677	66.96	ng	0.00
Target Compounds						
10) Phenol	7.76	94	13154	3.052	ng	90
19) n-Nitroso-di-n-propylamine	9.17	70	41115	15.356	ng	# 77
32) Benzoic acid	10.03	122	213	5.121	ng	# 33
50) Dimethylphthalate	12.76	163	23712	2.743	ng	99
71) Phenanthrene	15.62	178	81357	7.749	ng	99
75) Fluoranthene	17.33	202	155539	13.248	ng	99
78) Pyrene	17.63	202	143122	15.954	ng	98
81) Benzo(a)anthracene	19.26	228	70131	8.330	ng	94
83) Chrysene	19.26	228	70131	8.630	ng	97
86) Indeno(1,2,3-cd)pyrene	22.61	276	41440	4.722	ng	100
88) Benzo(b)fluoranthene	20.51	252	123582	15.654	ng	# 95
89) Benzo(k)fluoranthene	20.51	252	123582	16.434	ng	# 94
90) Benzo(a)pyrene	20.92	252	70121	9.750	ng	# 96
92) Benzo(a,h,i)perylene	23.09	276	37576	5.593	ng	93

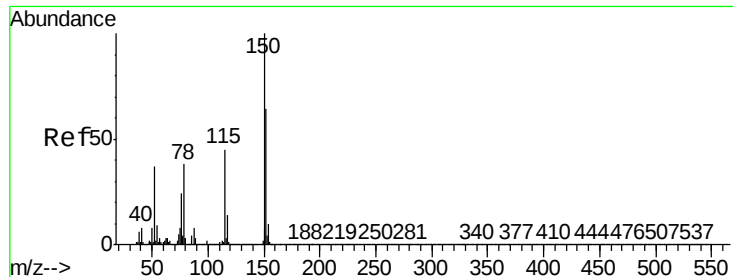
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

Instrument :

BNA_P

ClientSampleId :

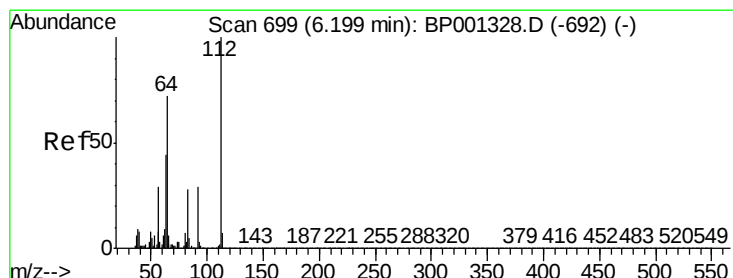
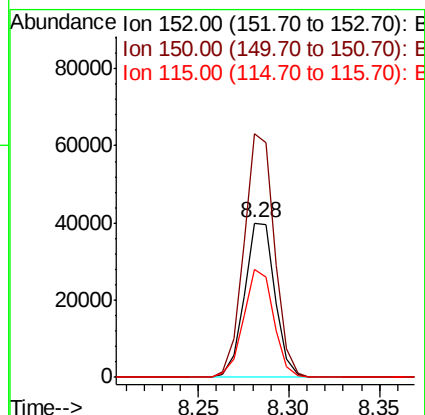
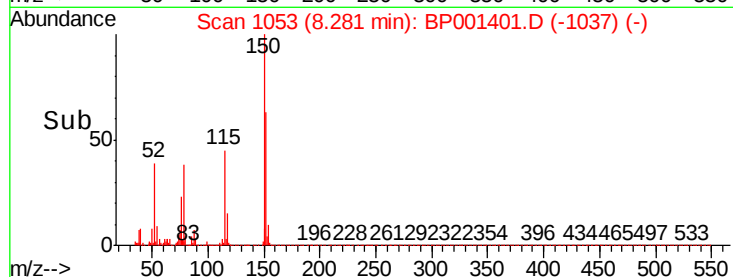
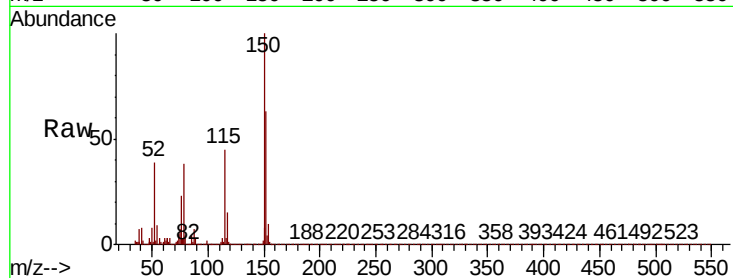
Tot Ion:152 Resp: 46714

Ion Ratio Lower Upper

152 100

150 158.0 127.0 190.6

115 70.5 56.1 84.1



#5

2-Fluorophenol

Concen: 97.322 ng

RT: 6.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

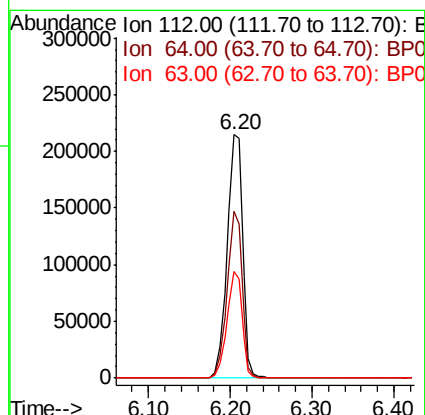
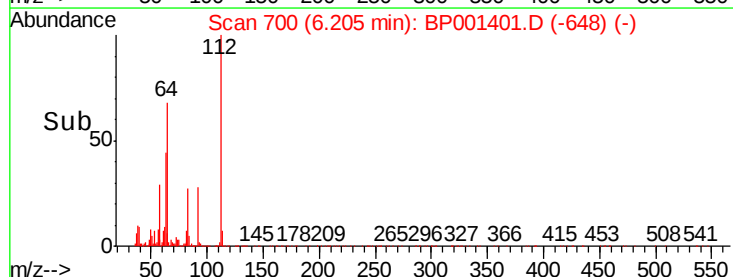
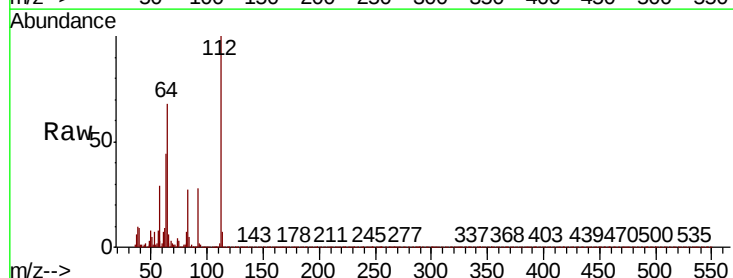
Tgt Ion:112 Resp: 281298

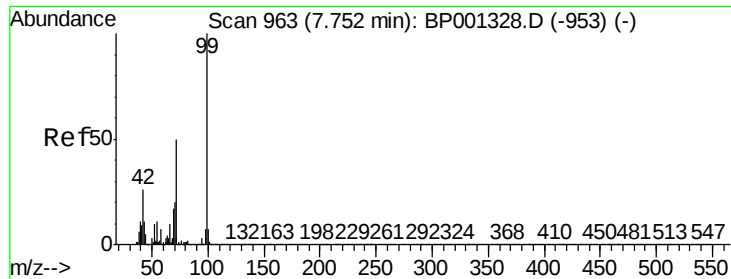
Ion Ratio Lower Upper

112 100

64 68.3 53.9 80.9

63 43.6 33.4 50.0





#7

Phenol-d6

Concen: 104.730 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

Instrument :

BNA_P

ClientSampleId :

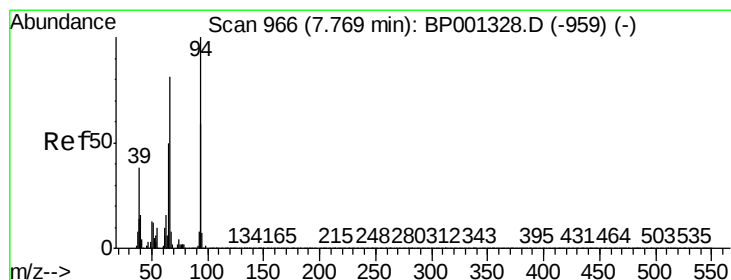
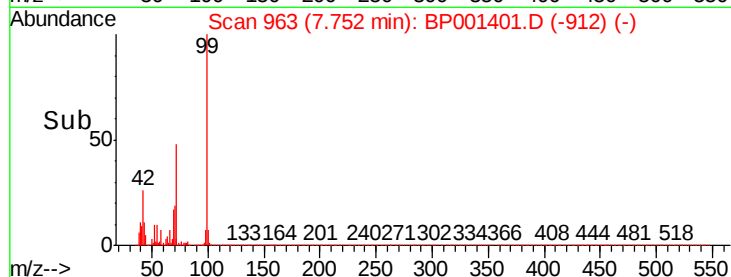
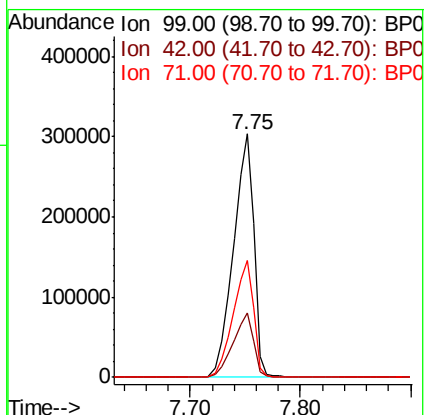
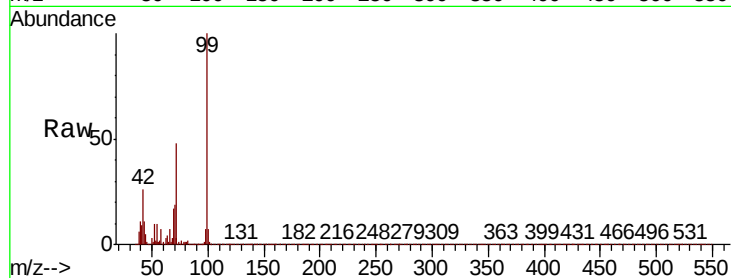
Tot Ion: 99 Resp: 394995

Ion	Ratio	Lower	Upper
99	100		
42	26.3	20.8	31.2
71	47.8	38.2	57.4

99 100

42 26.3 20.8 31.2

71 47.8 38.2 57.4



#10

Phenol

Concen: 3.052 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

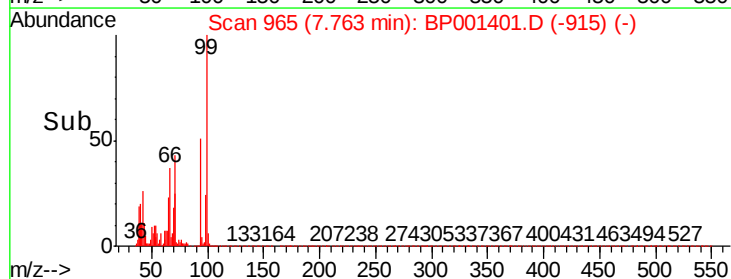
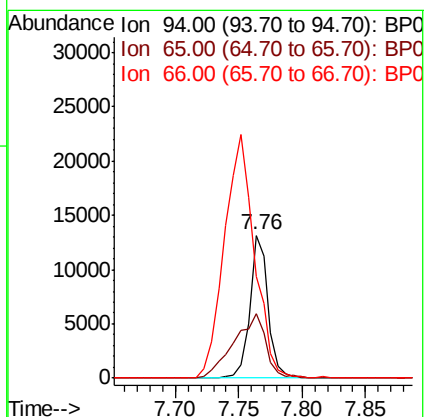
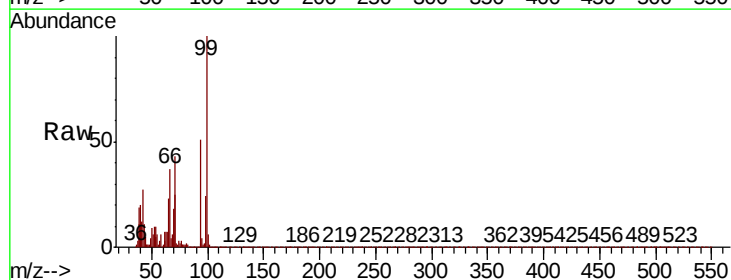
Tgt Ion: 94 Resp: 13154

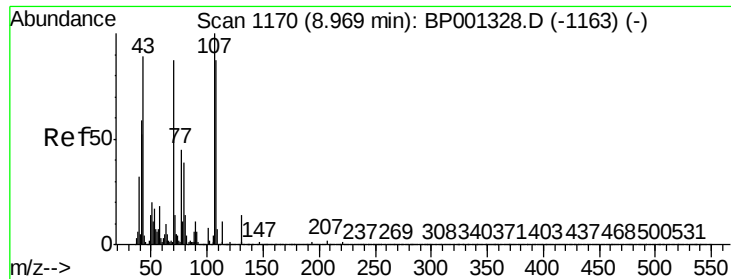
Ion	Ratio	Lower	Upper
94	100		
65	45.1	29.6	69.6
66	71.4	62.3	102.3

94 100

65 45.1 29.6 69.6

66 71.4 62.3 102.3

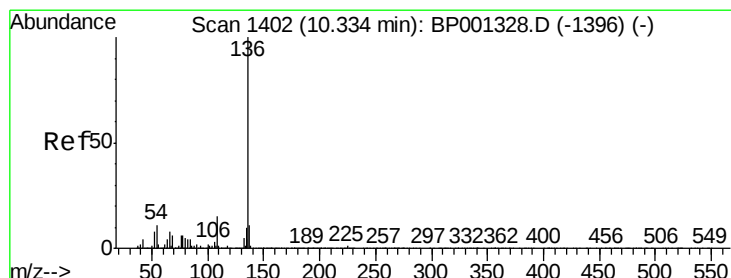
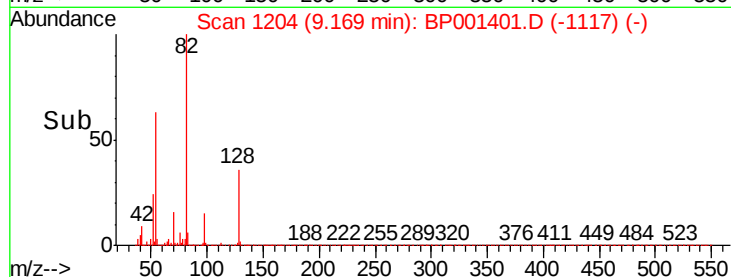
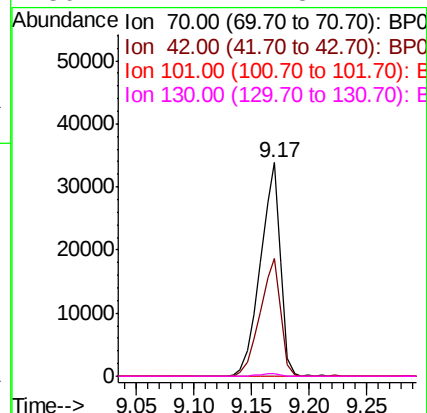
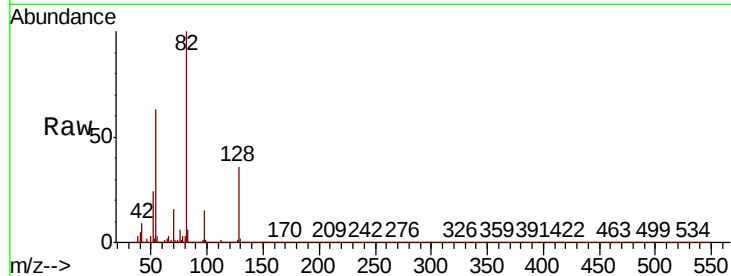




#19
n-Nitroso-di-n-propylamine
Concen: 15.356 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.21 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

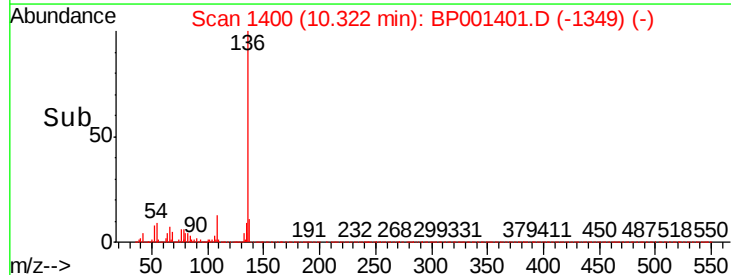
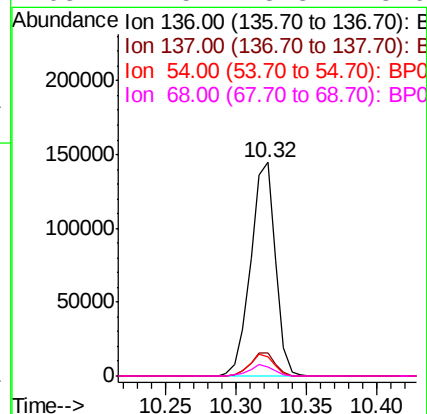
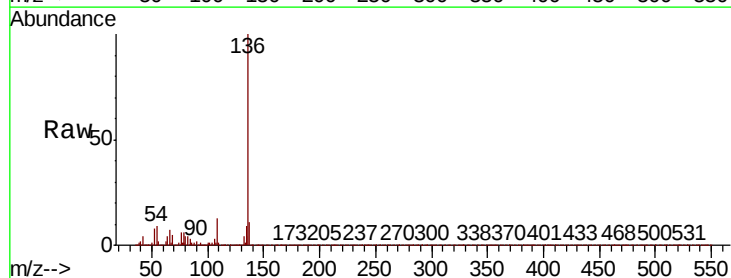
Instrument :
BNA_P
ClientSampled :

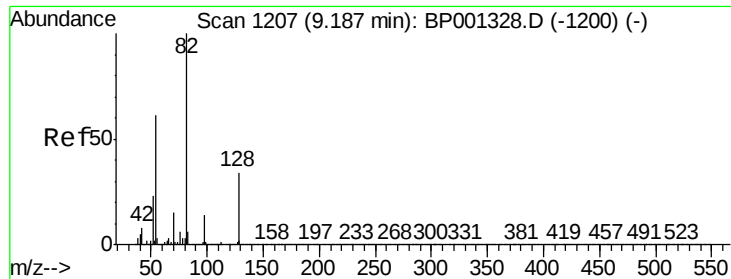
Tot Ion: 70 Resp: 41115
Ion Ratio Lower Upper
70 100
42 55.2 55.8 83.8#
101 0.0 8.2 12.2#
130 1.2 14.5 21.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

Tgt Ion:136 Resp: 177722
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 9.1 7.3 10.9
68 4.5 3.8 5.6

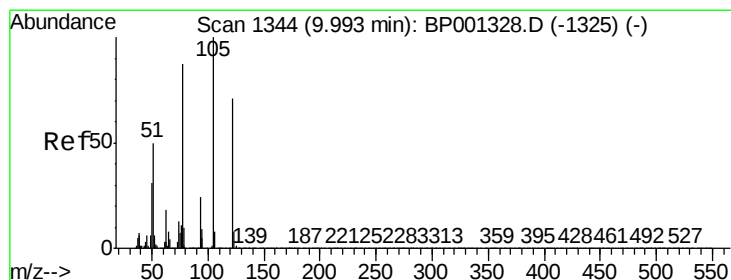
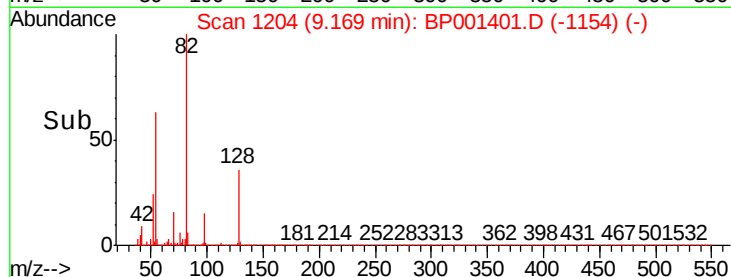
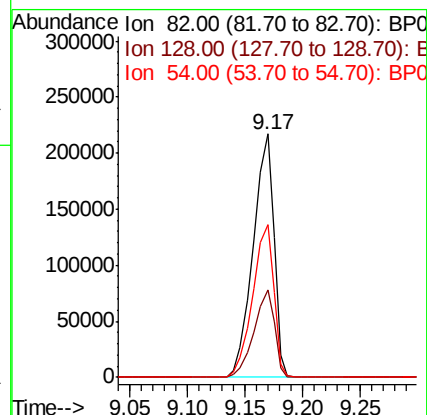
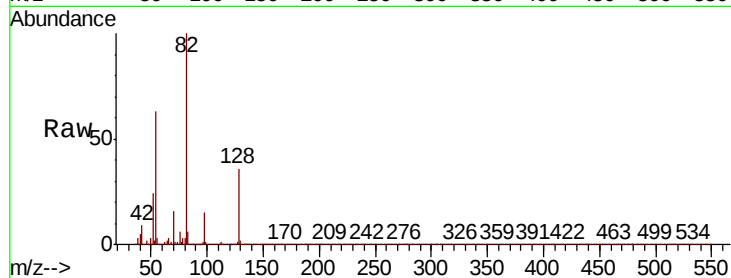




#23
Nitrobenzene-d5
Concen: 58.938 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

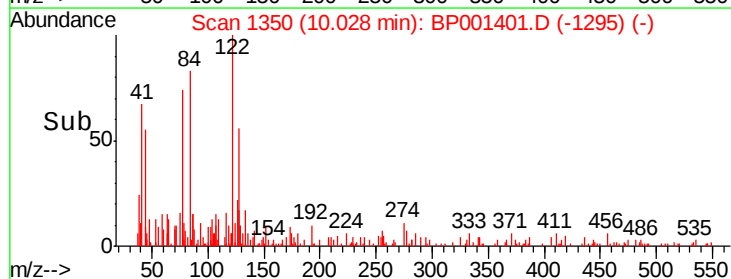
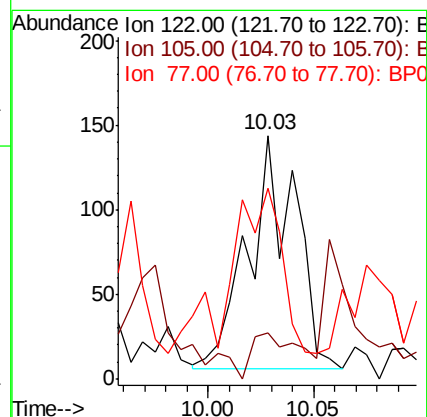
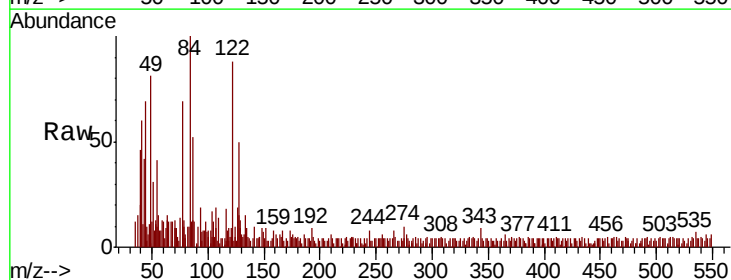
Instrument :
BNA_P
ClientSampled :

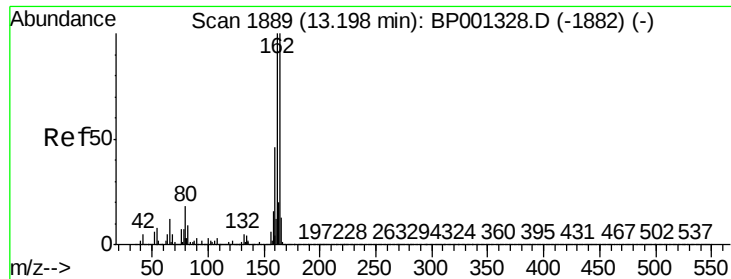
Tot Ion	Ratio	Lower	Upper
82	100		
128	35.9	27.4	41.0
54	63.0	47.5	71.3



#32
Benzoic acid
Concen: 5.121 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

Tgt Ion	Ratio	Lower	Upper
122	100		
105	18.1	117.8	157.8#
77	80.5	85.6	125.6#

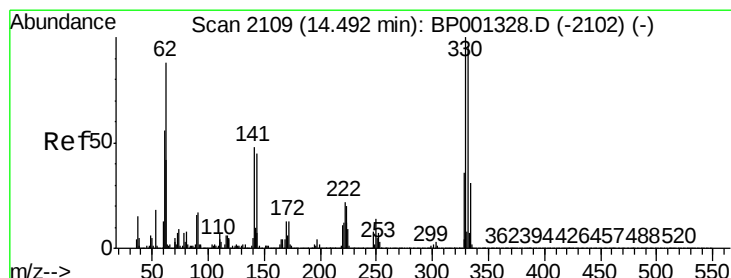
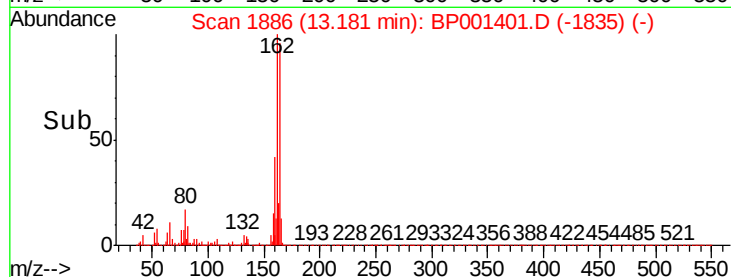
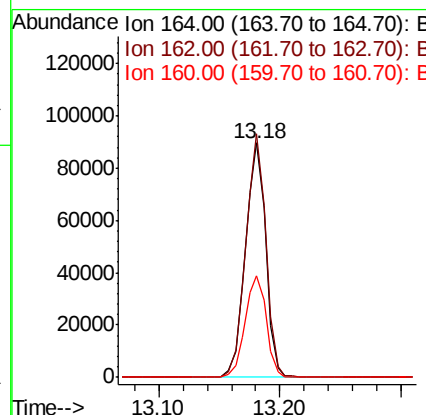
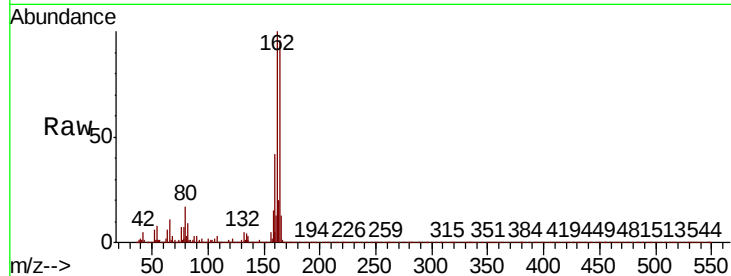




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. 0.00 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

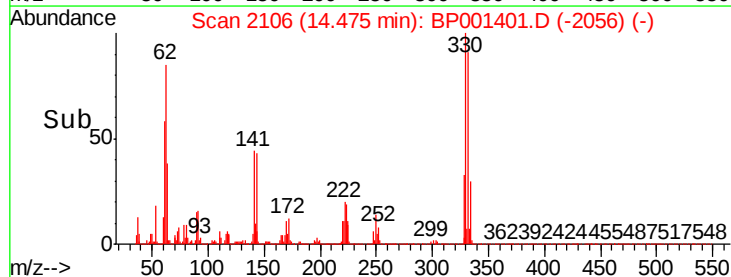
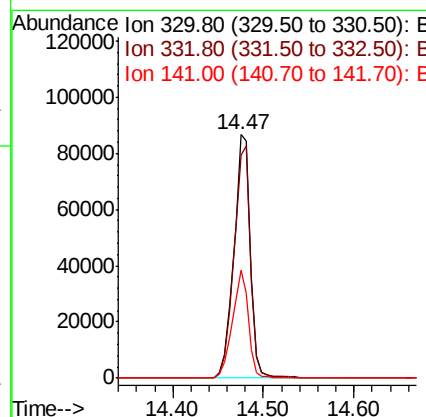
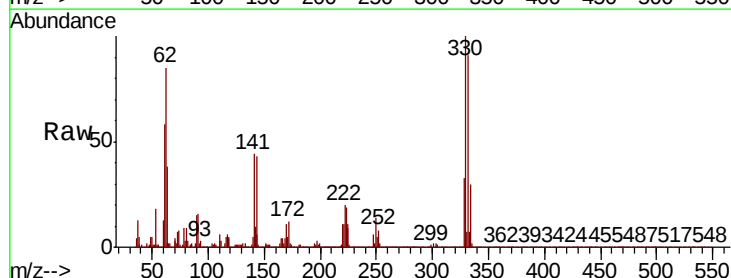
Instrument :
BNA_P
ClientSampleId :

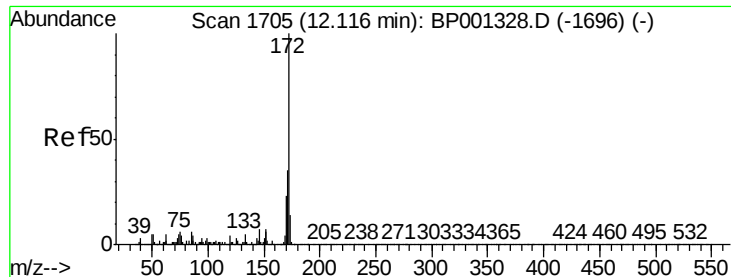
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	78.2	117.4
160	43.3	35.1	52.7



#42
2,4,6-Tribromophenol
Concen: 83.680 ng
RT: 14.47 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.3	117.5
141	42.7	26.8	40.2#

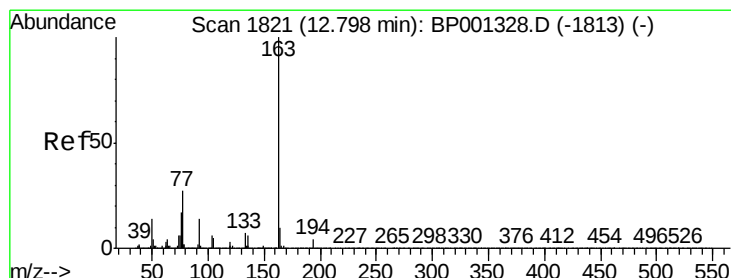
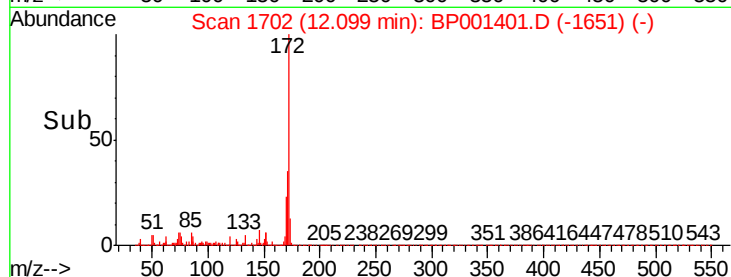
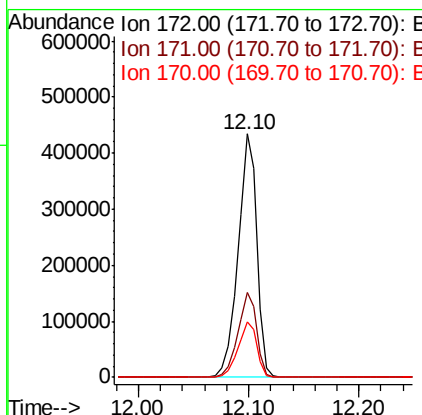
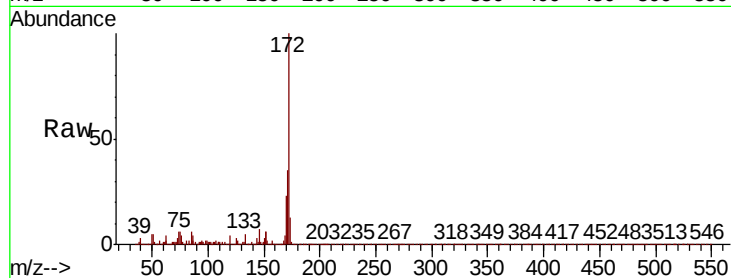




#45
2-Fluorobiphenyl
Concen: 62.044 ng
RT: 12.10 min Scan# 1702
Delta R.T. 0.00 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

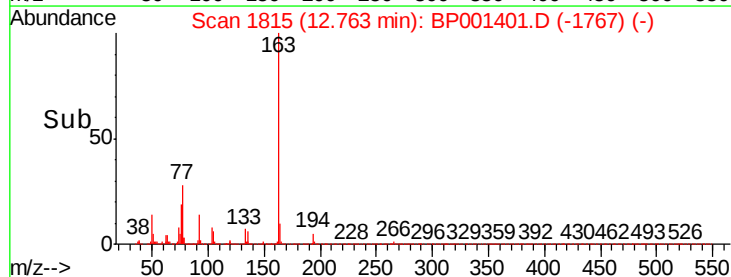
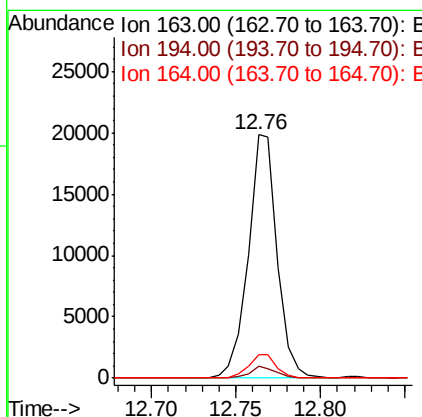
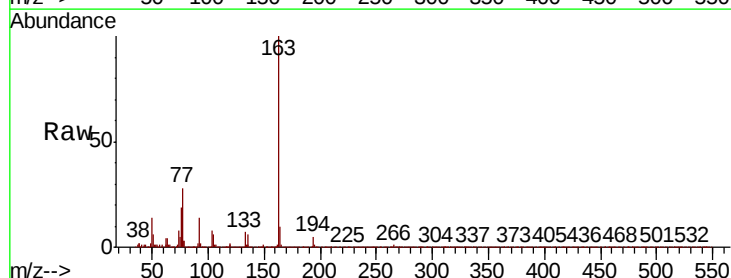
Instrument :
BNA_P
ClientSampleId :

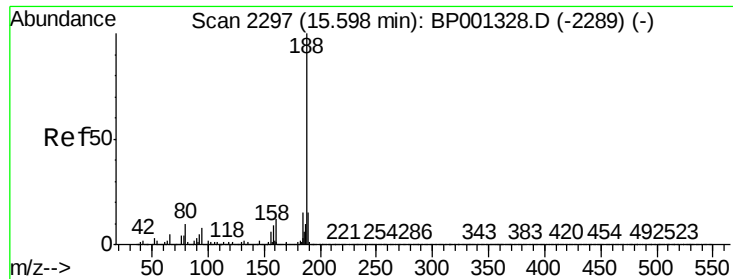
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.0
170	22.8	18.2	27.4



#50
Dimethylphthalate
Concen: 2.743 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.2	4.8
164	9.7	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: BP001401.D

Acq: 24 Dec 2019 22:34

Instrument :

BNA_P

ClientSampleId :

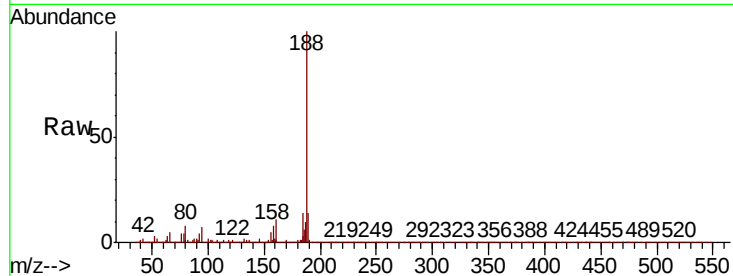
Tot Ion:188 Resp: 184029

Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.8

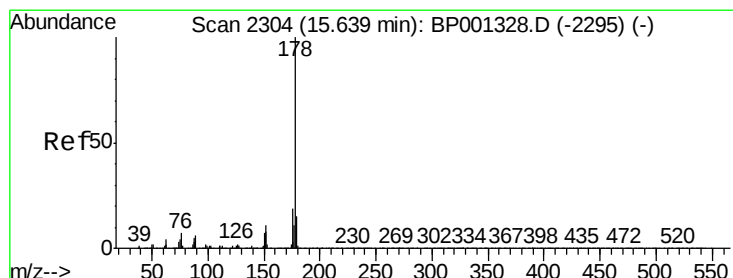
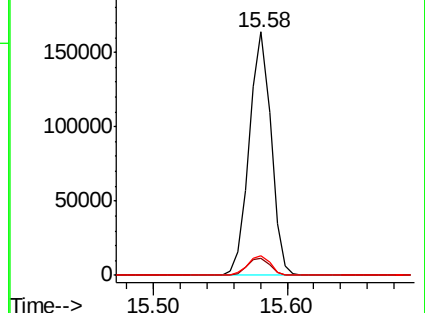
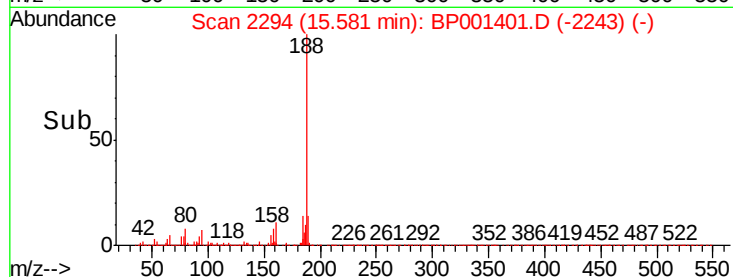
80 8.1 5.7 8.5



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: 7.749 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

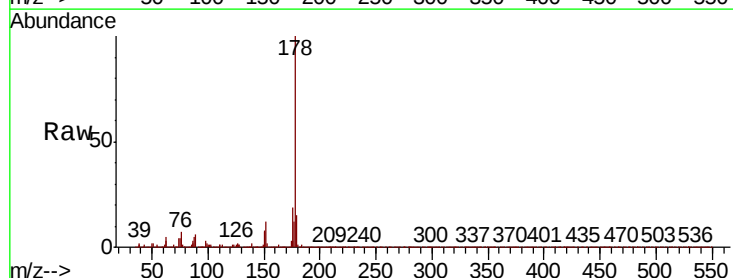
Tgt Ion:178 Resp: 81357

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

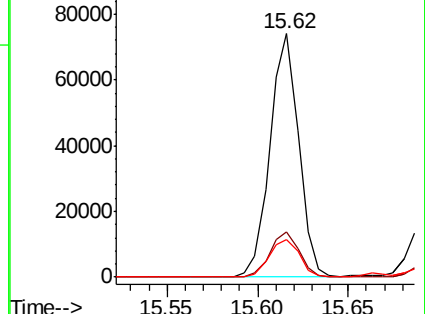
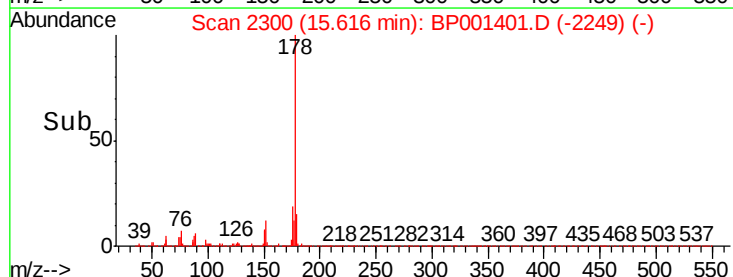
179 15.4 12.2 18.2

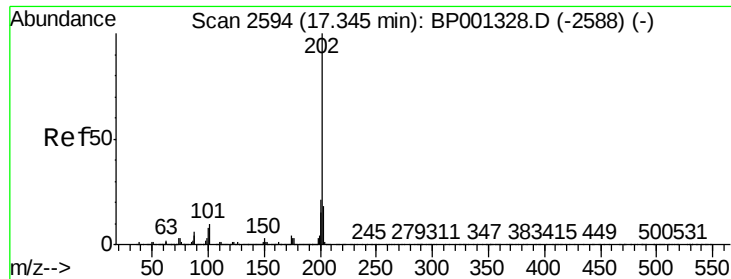


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.248 ng

RT: 17.33 min Scan# 2591

Delta R.T. 0.00 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

Instrument :

BNA_P

ClientSampleId :

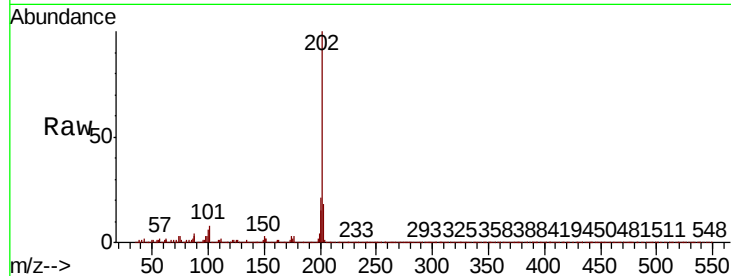
Tot Ion:202 Resp: 155539

Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.7

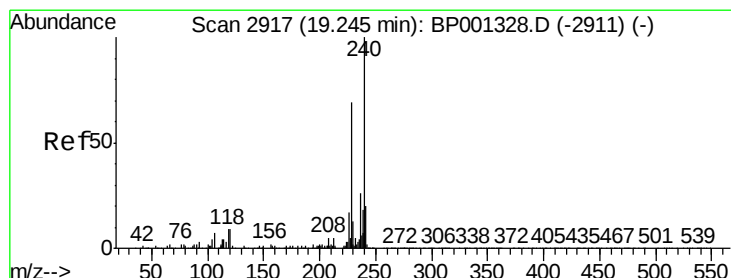
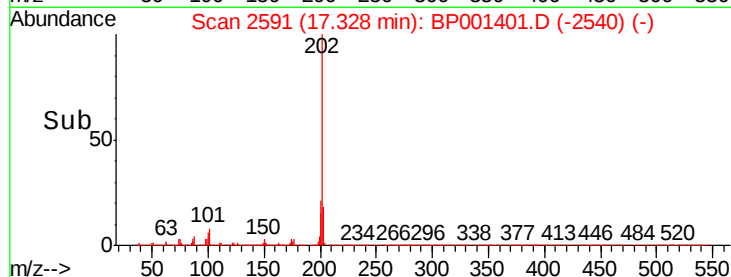
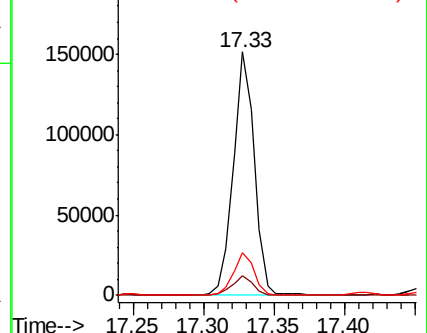
203 17.7 0.0 37.4



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: 19.23 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

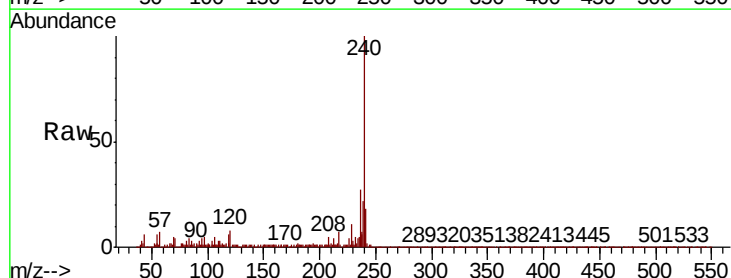
Tgt Ion:240 Resp: 115540

Ion Ratio Lower Upper

240 100

120 8.1 6.2 9.2

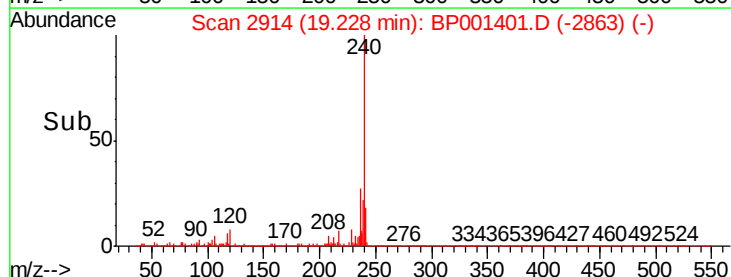
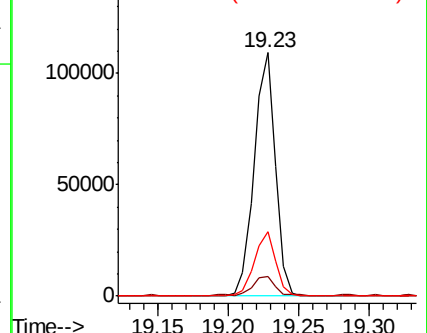
236 26.7 20.2 30.2

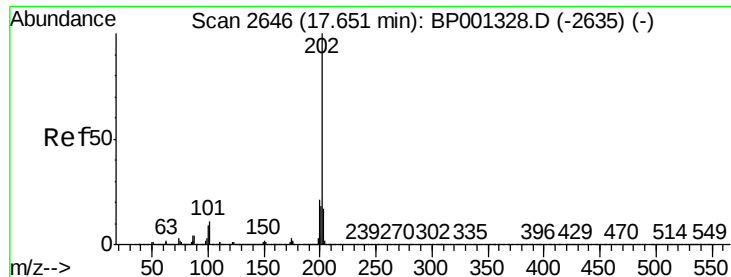


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 15.954 ng

RT: 17.63 min Scan# 2643

Delta R.T. 0.00 min

Lab File: BP001401.D

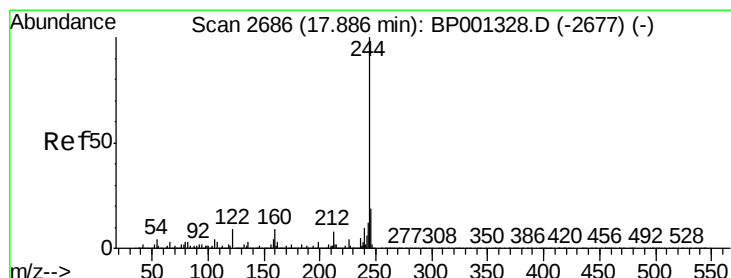
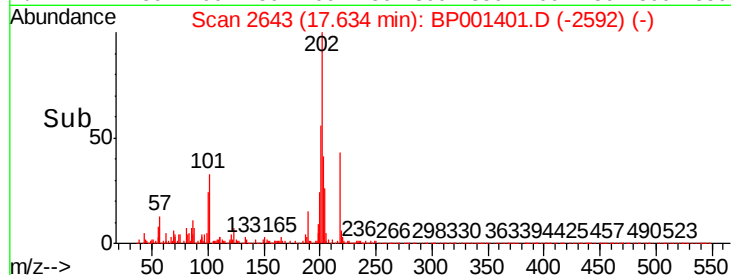
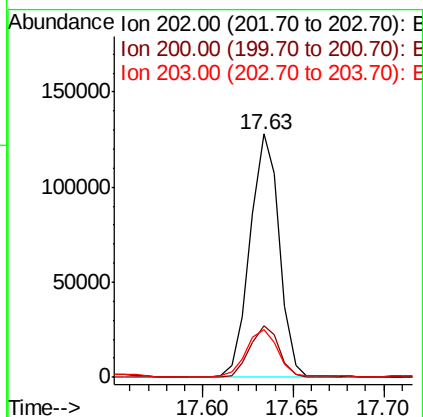
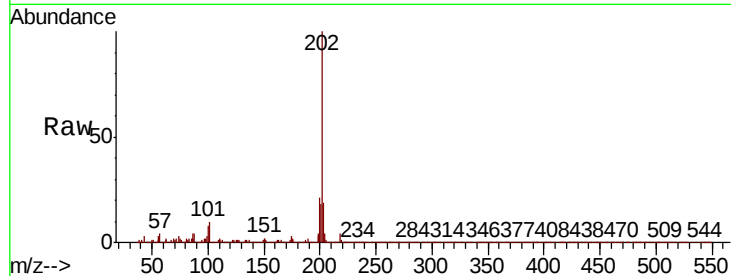
Acq: 24 Dec 2019 22:34

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	143122
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	19.5	14.3	21.5



#79

Terphenyl-d14

Concen: 66.957 ng

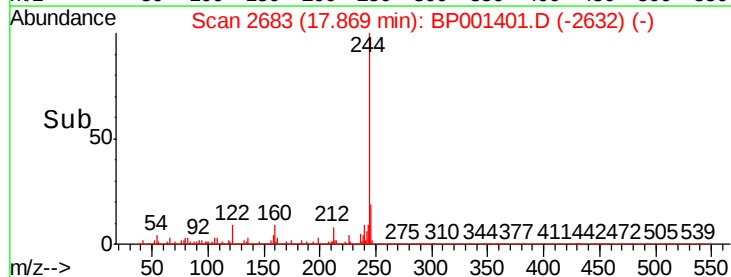
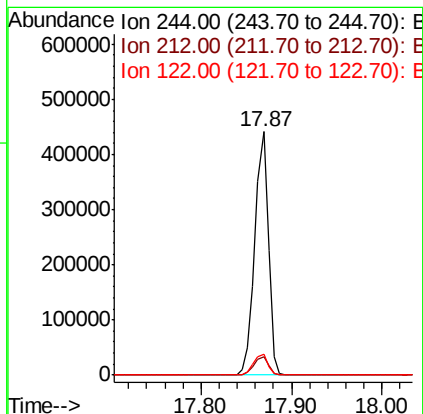
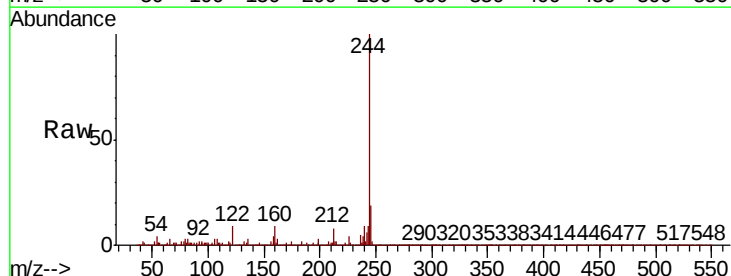
RT: 17.87 min Scan# 2683

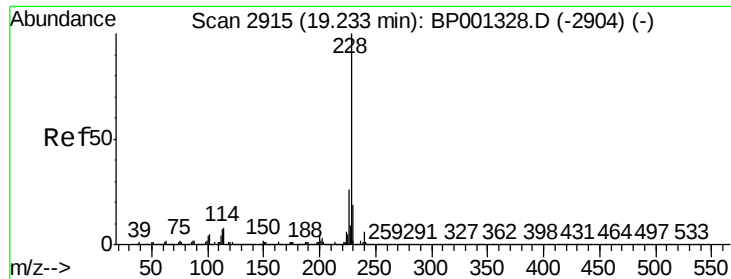
Delta R.T. 0.00 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

Tgt Ion:	244	Resp:	451677
Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	8.7	6.4	9.6

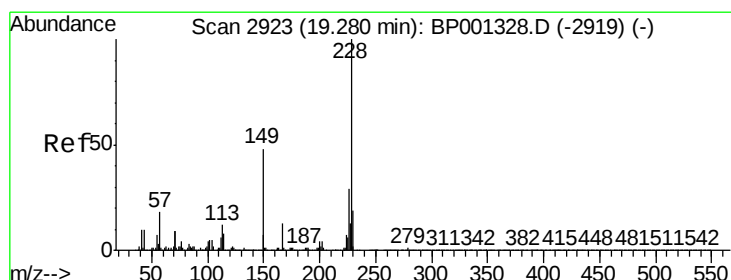
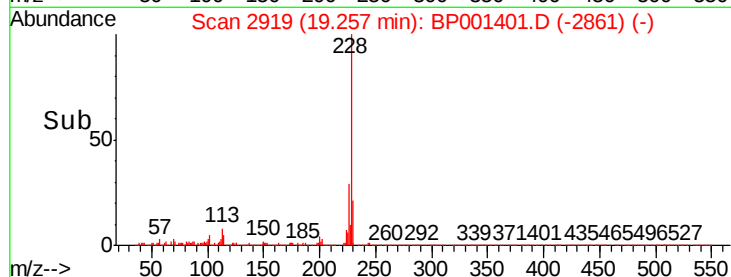
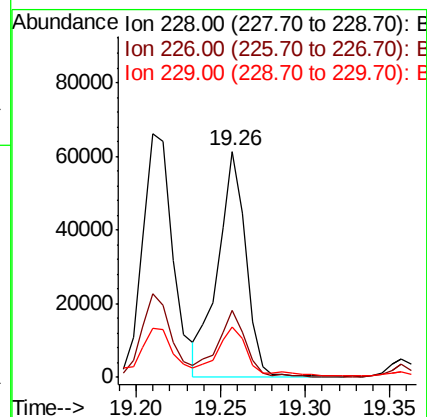
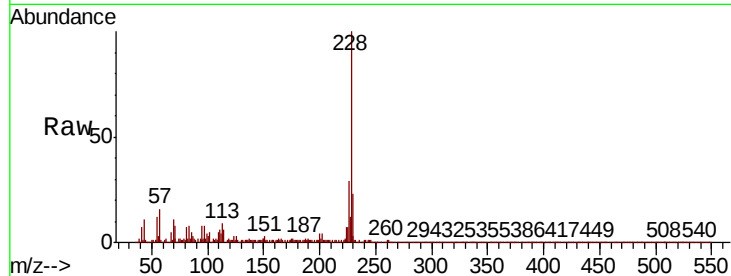




#81
Benzo(a)anthracene
Concen: 8.330 ng
RT: 19.26 min Scan# 2919
Delta R.T. 0.04 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

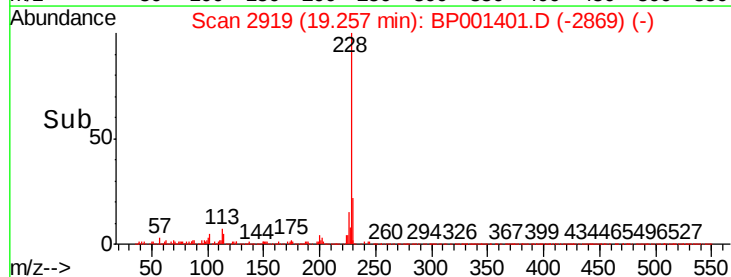
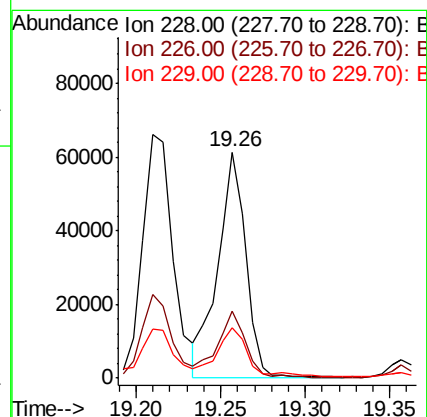
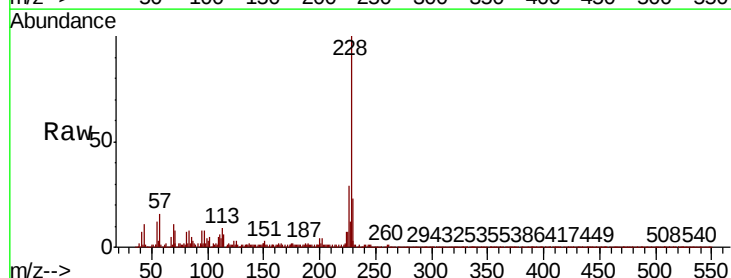
Instrument :
BNA_P
ClientSampleId :

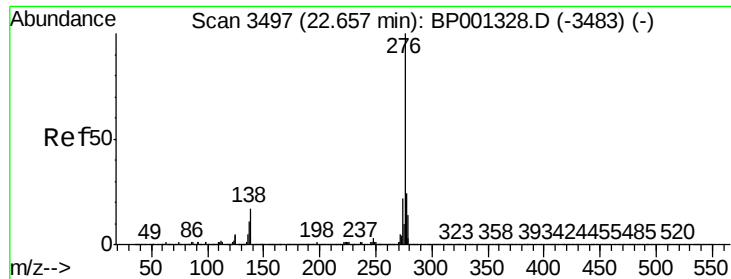
Tot Ion:228 Resp: 70131
Ion Ratio Lower Upper
228 100
226 29.4 21.4 32.2
229 22.5 15.7 23.5



#83
Chrysene
Concen: 8.630 ng
RT: 19.26 min Scan# 2919
Delta R.T. -0.01 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

Tgt Ion:228 Resp: 70131
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.2
229 22.5 15.5 23.3





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.722 ng

RT: 22.61 min Scan# 3489

Delta R.T. -0.01 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

Instrument :

BNA_P

ClientSampled :

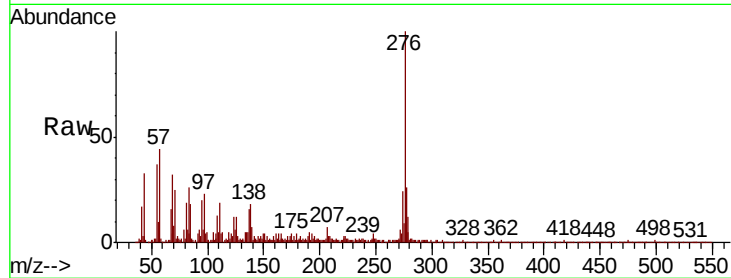
Tot Ion:276 Resp: 41440

Ion Ratio Lower Upper

276 100

138 15.6 12.8 19.2

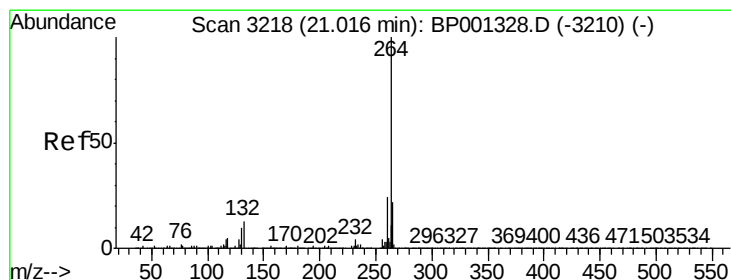
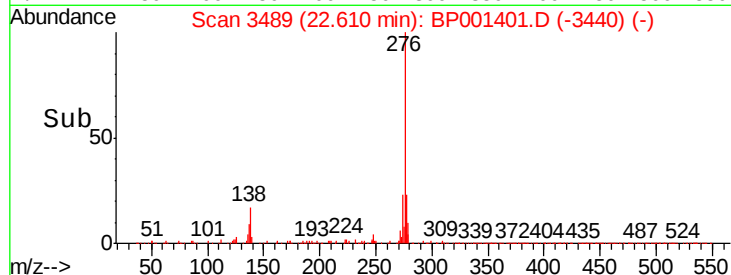
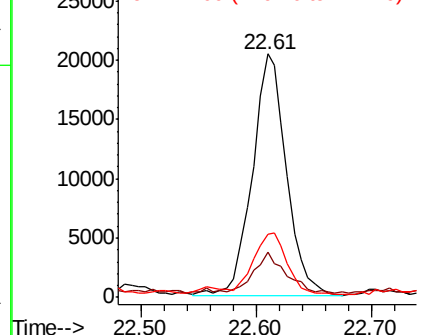
277 25.0 19.9 29.9



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

Perylene-d12

Concen: 20.000 ng

RT: 20.99 min Scan# 3214

Delta R.T. 0.00 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

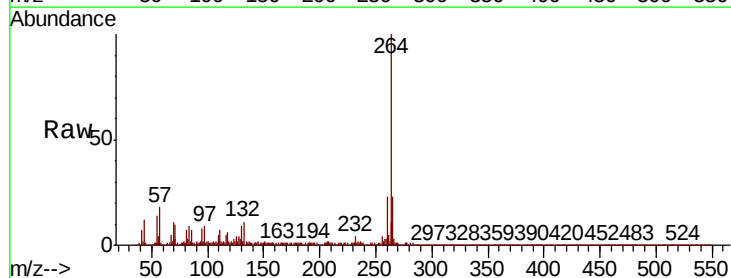
Tgt Ion:264 Resp: 120207

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.4

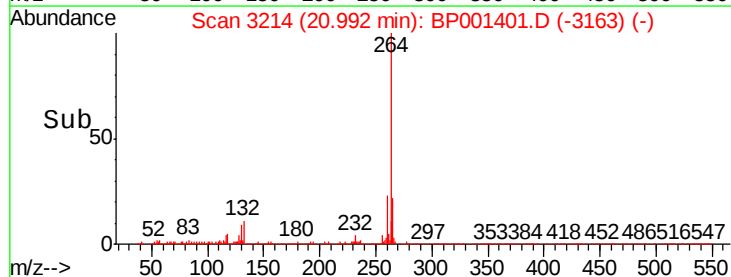
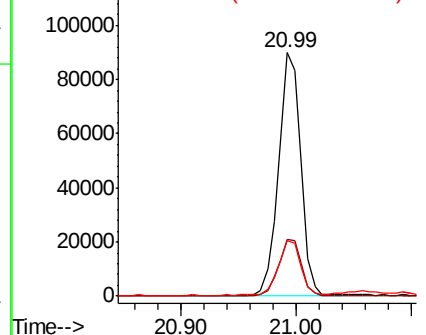
265 22.7 17.0 25.4

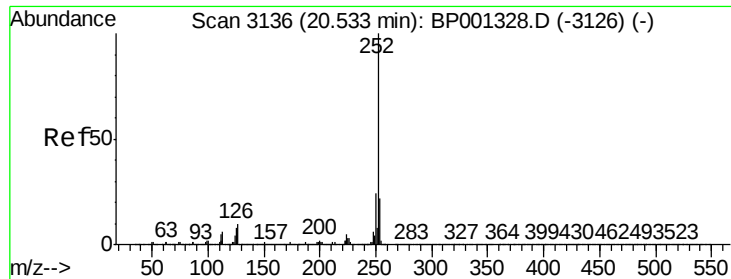


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 15.654 ng

RT: 20.51 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BP001401.D

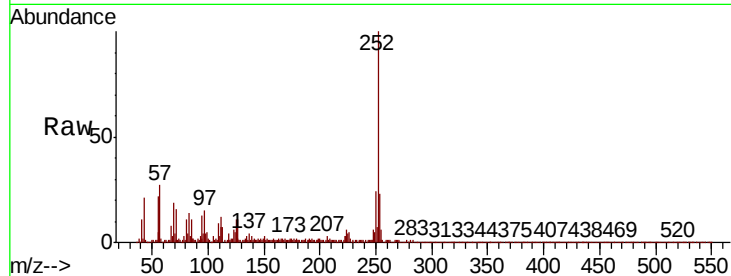
Acq: 24 Dec 2019 22:34

Instrument :

BNA_P

ClientSampleId :

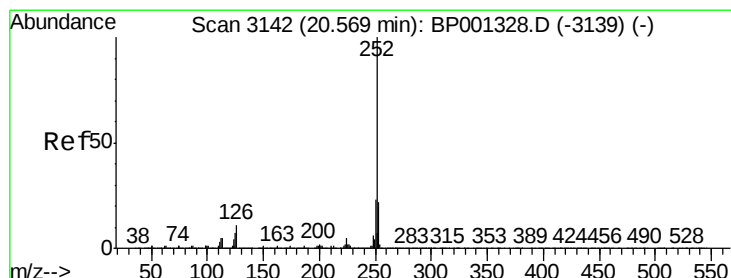
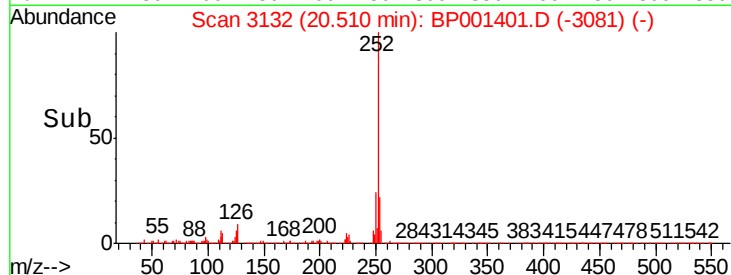
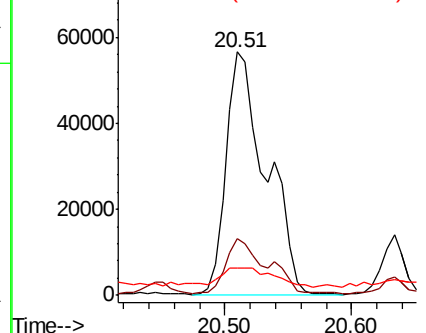
Tot Ion:	252	Resp:	123582
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	11.5	5.6	8.4#



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



#89

Benzo(k)fluoranthene

Concen: 16.434 ng

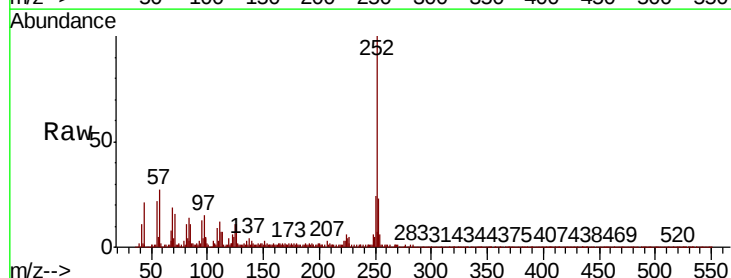
RT: 20.51 min Scan# 3132

Delta R.T. -0.04 min

Lab File: BP001401.D

Acq: 24 Dec 2019 22:34

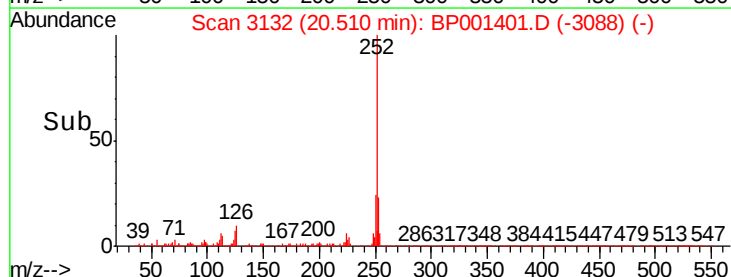
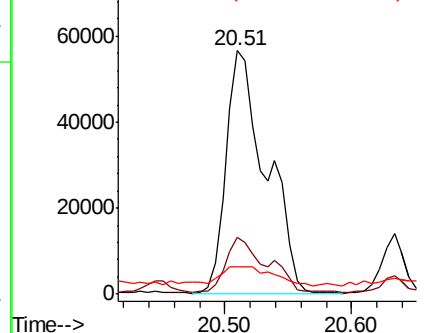
Tgt Ion:	252	Resp:	123582
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.2
125	11.5	4.5	6.7#

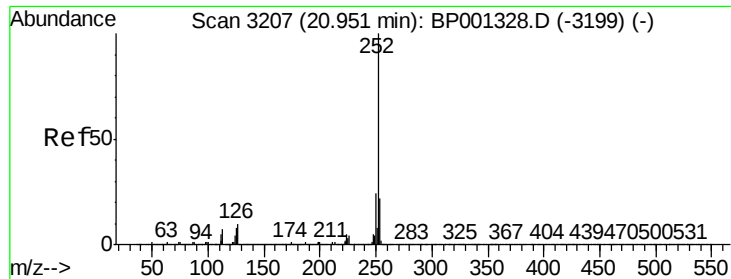


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

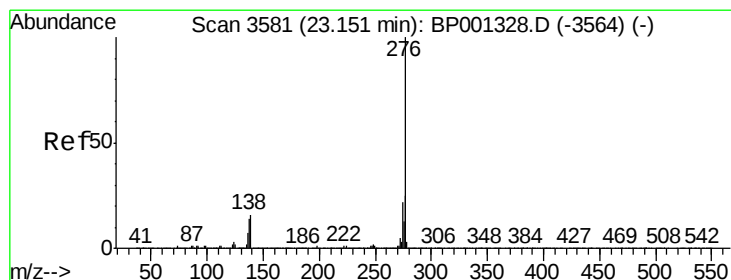
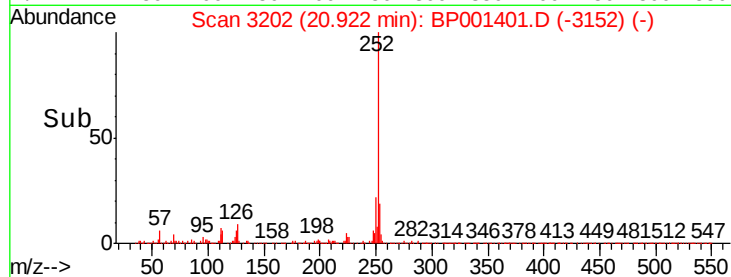
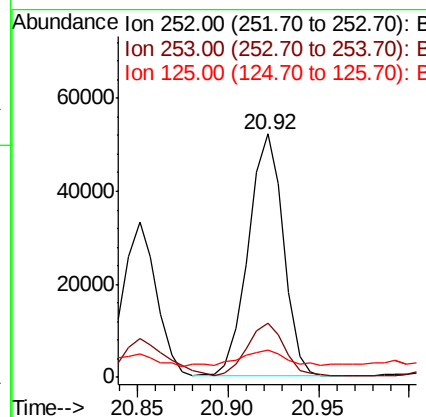
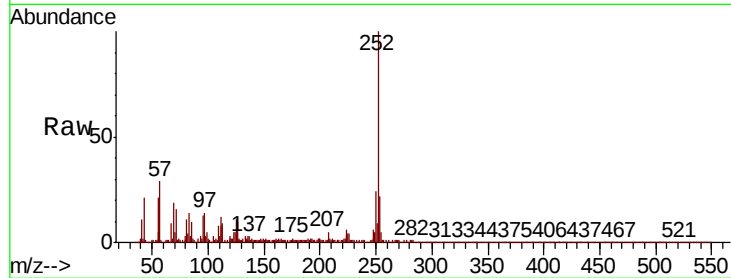




#90
Benzo(a)pyrene
Concen: 9.750 ng
RT: 20.92 min Scan# 3202
Delta R.T. -0.01 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	11.3	5.2	7.8



#92
Benzo(g,h,i)perylene
Concen: 5.593 ng
RT: 23.09 min Scan# 3571
Delta R.T. -0.02 min
Lab File: BP001401.D
Acq: 24 Dec 2019 22:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.6	27.8
138	14.4	10.5	15.7

