

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
 Data File : BP001380.D
 Acq On : 23 Dec 2019 21:37
 Operator : JU
 Sample : K6117-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 24 01:33:54 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

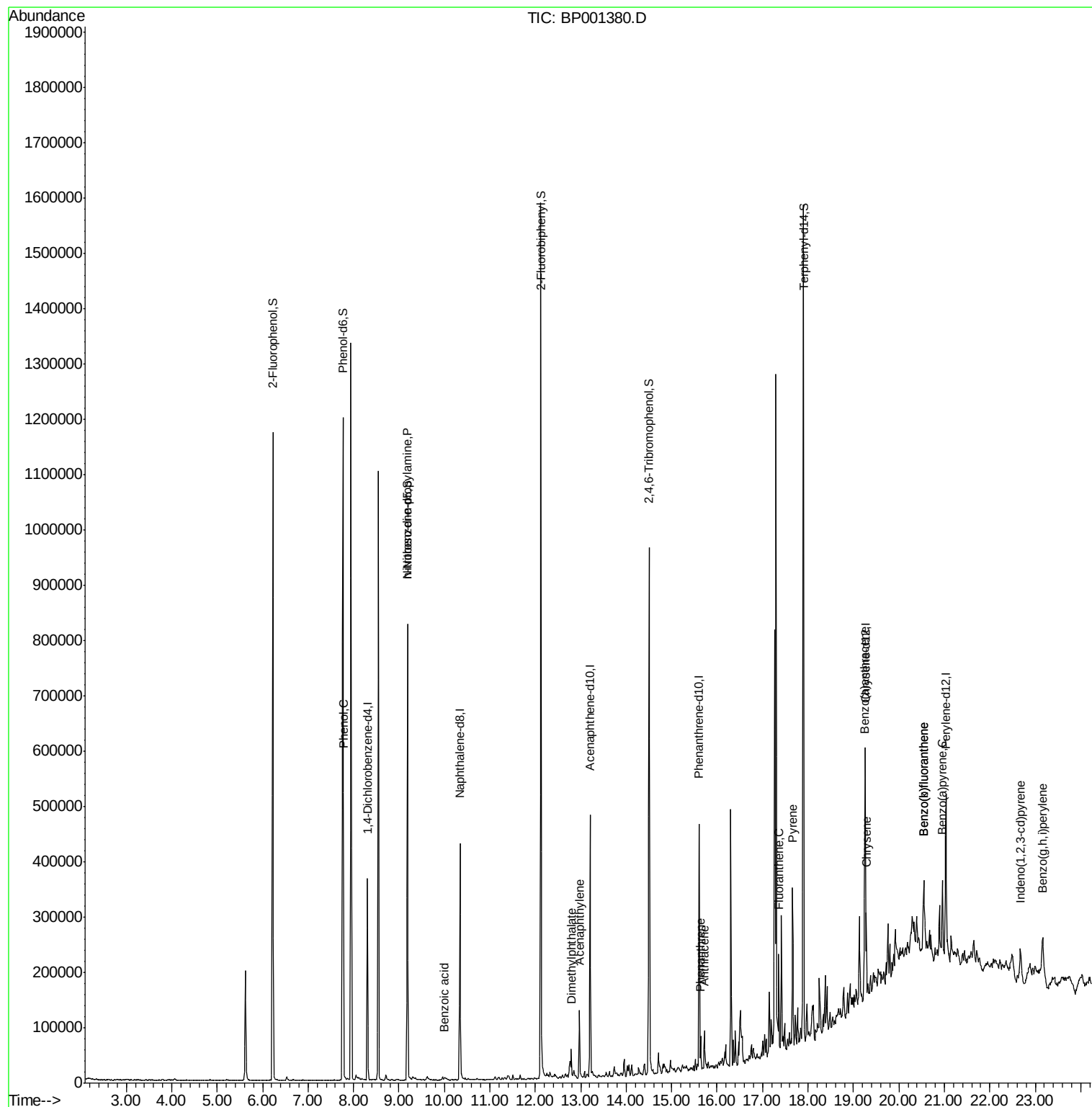
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	58015	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	204955	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	118665	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	207121	20.00	ng	0.00
76) Chrysene-d12	19.26	240	142091	20.00	ng	0.01
87) Perylene-d12	21.03	264	151854	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	335767	93.54	ng	0.02
7) Phenol-d6	7.77	99	466339	99.56	ng	0.02
23) Nitrobenzene-d5	9.19	82	325807	61.04	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	126228	85.08	ng	0.01
45) 2-Fluorobiphenyl	12.12	172	595265	63.43	ng	0.00
79) Terphenyl-d14	17.90	244	568189	68.49	ng	0.01
Target Compounds						
10) Phenol	7.78	94	14803	2.766	ng	83
19) n-Nitroso-di-n-propylamine	9.19	70	49042	14.749	ng	# 79
32) Benzoic acid	9.99	122	16	5.029	ng	# 1
49) Acenaphthylene	12.97	152	66803	5.693	ng	98
50) Dimethylphthalate	12.79	163	24776	2.545	ng	# 99
71) Phenanthrene	15.64	178	27389	2.318	ng	99
72) Anthracene	15.72	178	33606	2.873	ng	99
75) Fluoranthene	17.36	202	76764	5.810	ng	99
78) Pyrene	17.66	202	134075	12.153	ng	97
81) Benzo(a)anthracene	19.25	228	67642	6.533	ng	# 78
83) Chrysene	19.29	228	71406	7.145	ng	# 93
86) Indeno(1,2,3-cd)pyrene	22.67	276	42053	3.896	ng	99
88) Benzo(b)fluoranthene	20.55	252	91121	9.137	ng	# 97
89) Benzo(k)fluoranthene	20.55	252	91121	9.592	ng	# 95
90) Benzo(a)pyrene	20.96	252	63634	7.004	ng	# 96
92) Benzo(g,h,i)perylene	23.17	276	52031	6.130	ng	100

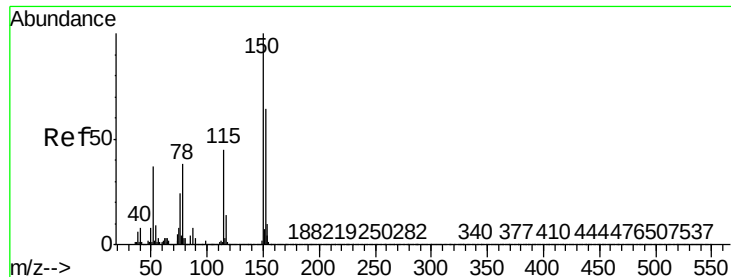
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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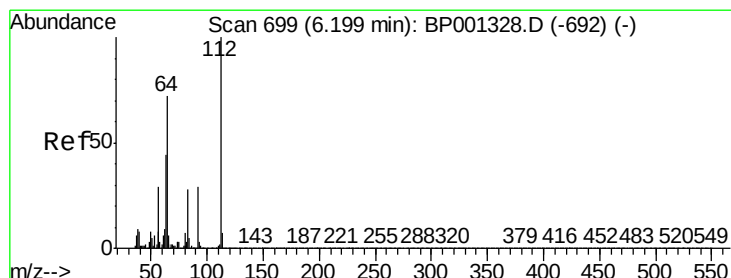
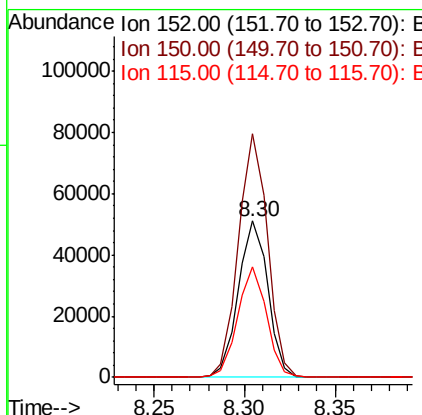
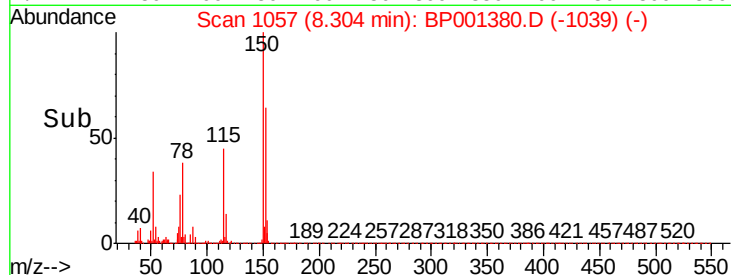
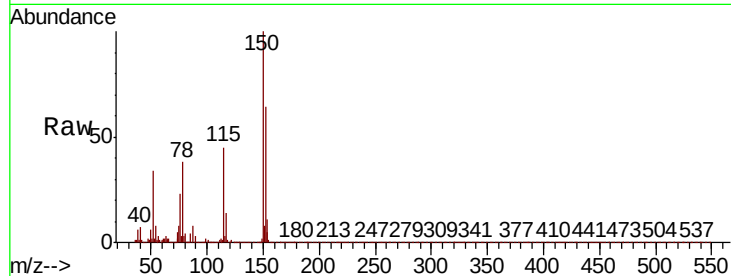




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.30 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: BP001380.D
 Acq: 23 Dec 2019 21:37

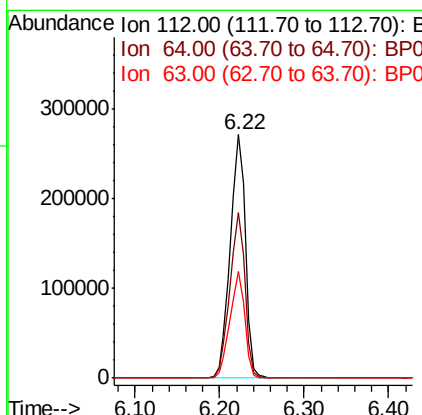
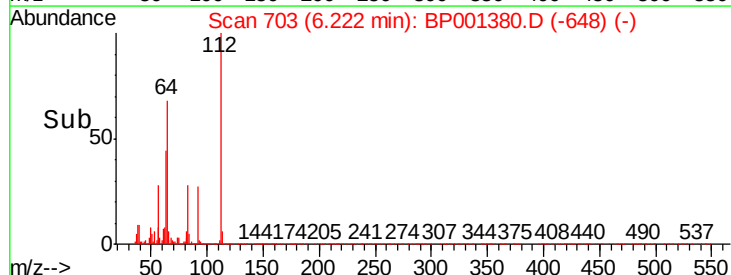
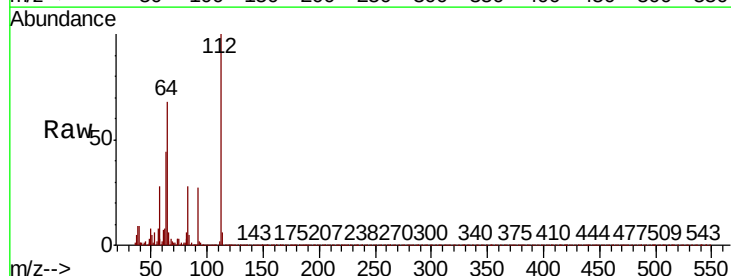
Instrument :
 BNA_P
 ClientSampleId :

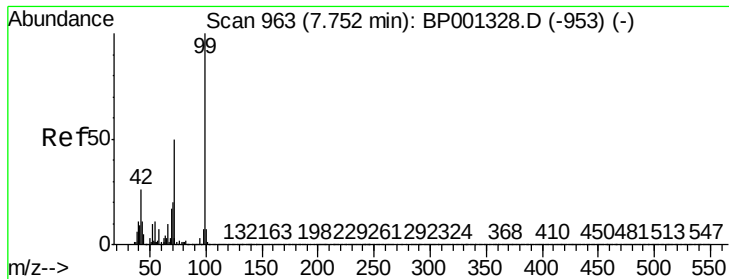
Tot Ion:	152	Resp:	58015
Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.0	186.0
115	70.7	59.3	88.9



#5
 2-Fluorophenol
 Concen: 93.539 ng
 RT: 6.22 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: BP001380.D
 Acq: 23 Dec 2019 21:37

Tgt Ion:	112	Resp:	335767
Ion	Ratio	Lower	Upper
112	100		
64	68.1	57.6	86.4
63	43.6	35.1	52.7





#7

Phenol-d6

Concen: 99.560 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.02 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

Instrument :

BNA_P

ClientSampleId :

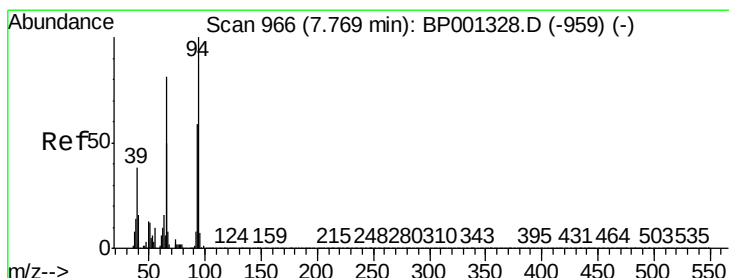
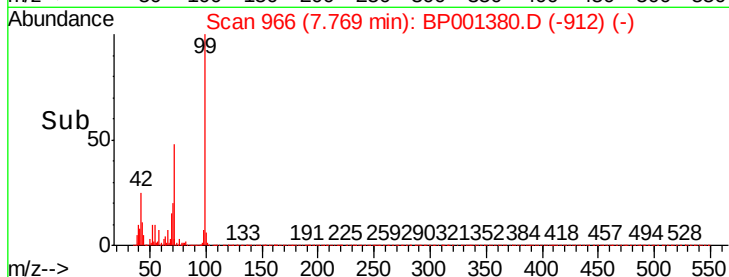
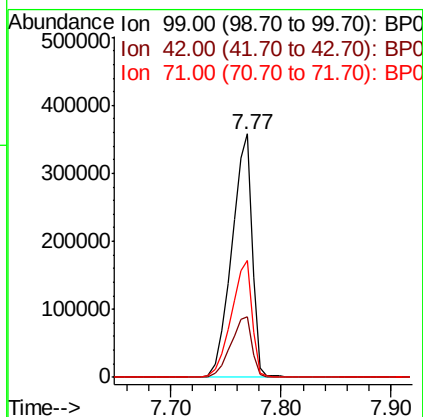
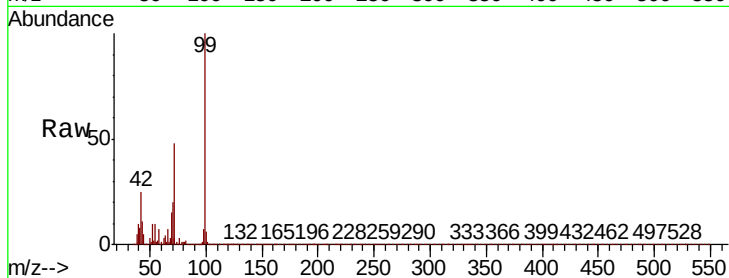
Tot Ion: 99 Resp: 466339

Ion Ratio Lower Upper

99 100

42 24.7 20.9 31.3

71 48.0 40.0 60.0



#10

Phenol

Concen: 2.766 ng

RT: 7.78 min Scan# 968

Delta R.T. 0.01 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

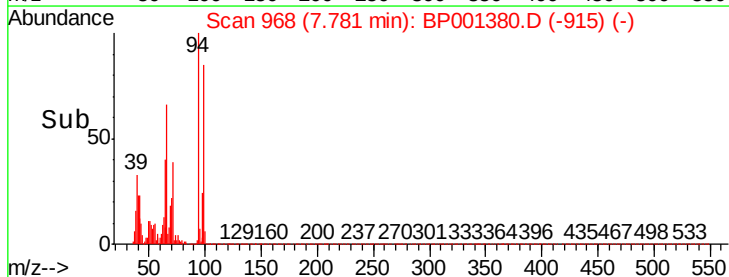
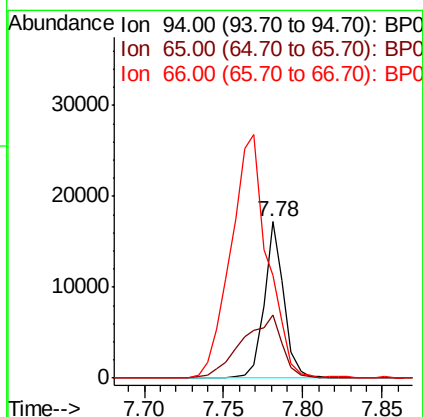
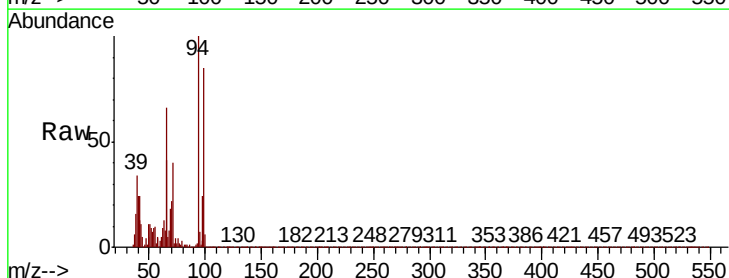
Tgt Ion: 94 Resp: 14803

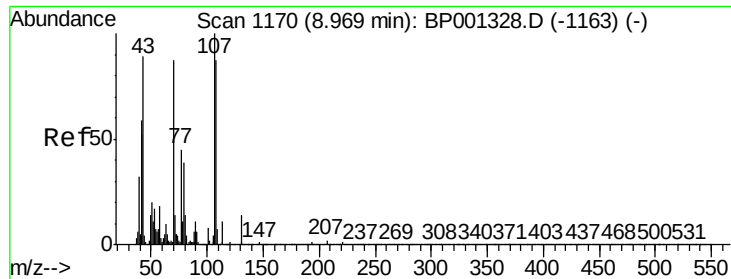
Ion Ratio Lower Upper

94 100

65 40.7 30.4 70.4

66 65.7 62.0 102.0

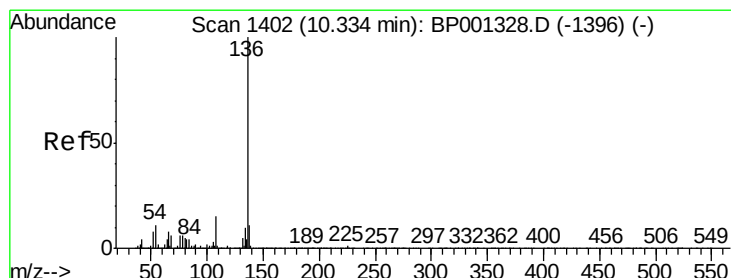
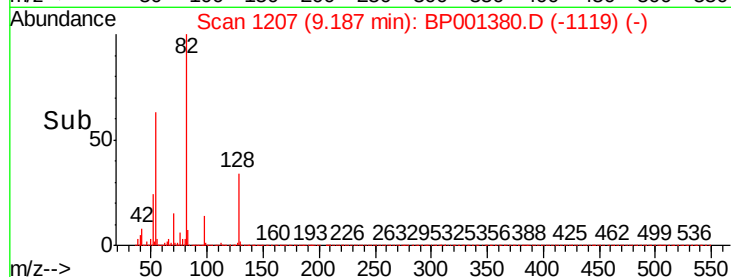
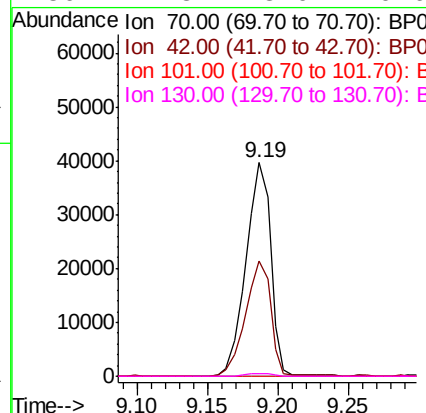
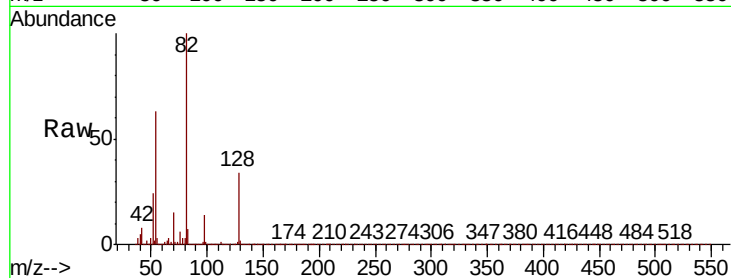




#19
n-Nitroso-di-n-propylamine
Concen: 14.749 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.22 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

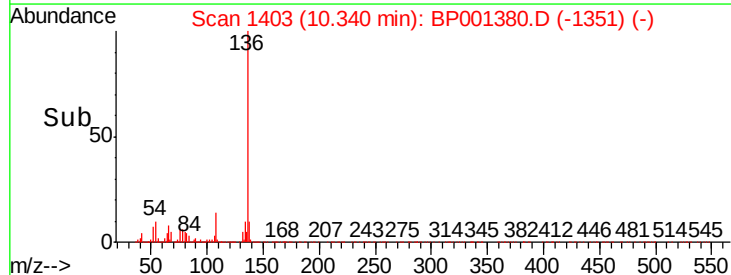
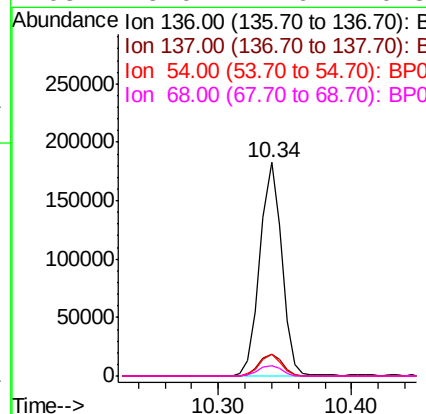
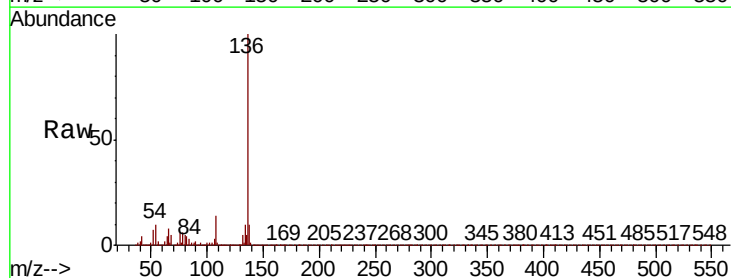
Instrument :
BNA_P
ClientSampleId :

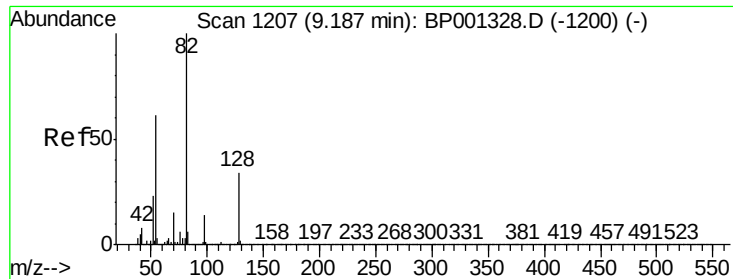
Tot Ion	Ratio	Lower	Upper
70	100		
42	53.8	54.1	81.1#
101	0.0	7.0	10.4#
130	1.3	13.0	19.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	10.4	8.8	13.2
68	5.0	4.6	6.8

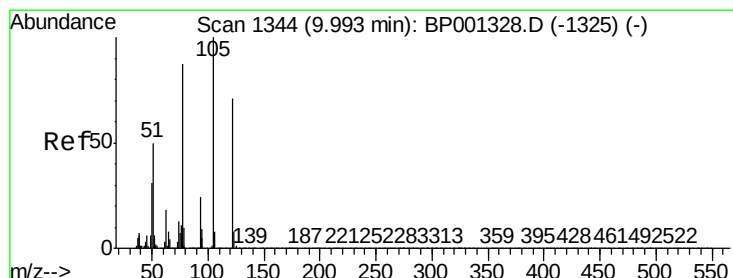
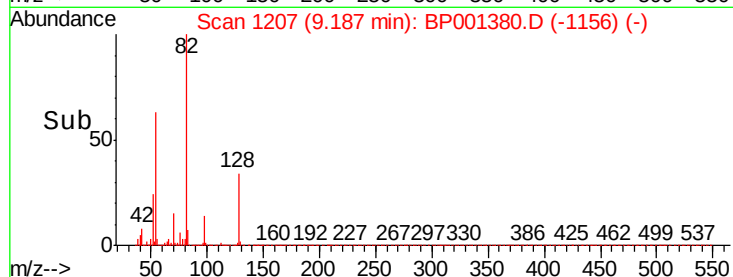
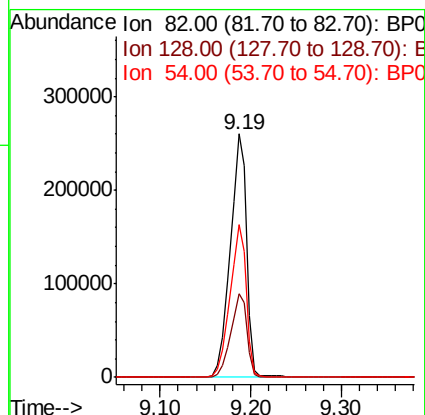
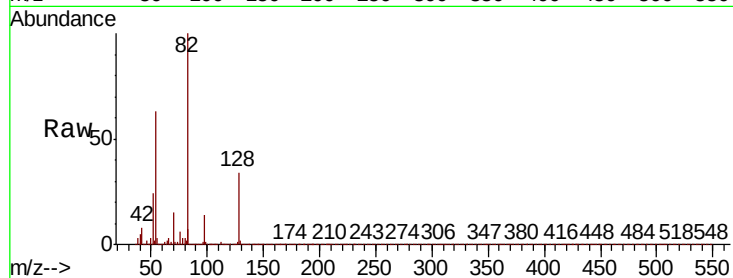




#23
Nitrobenzene-d5
Concen: 61.045 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

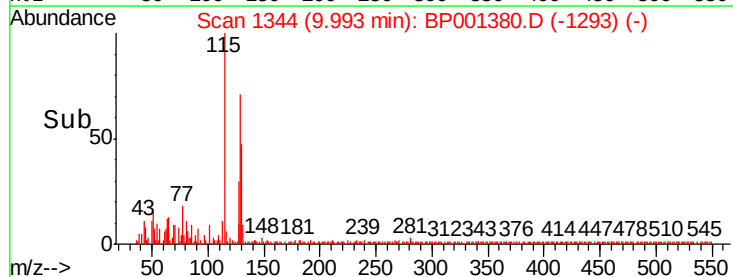
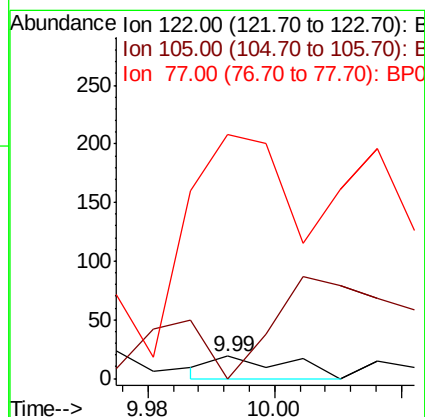
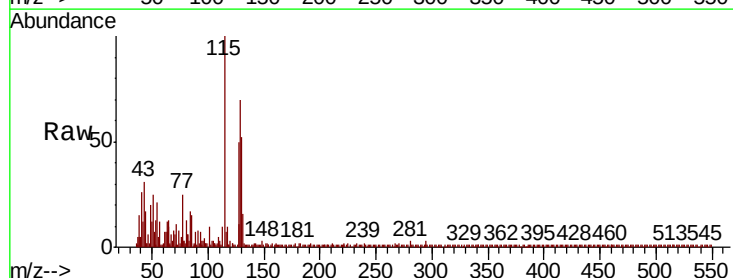
Instrument :
BNA_P
ClientSampleId :

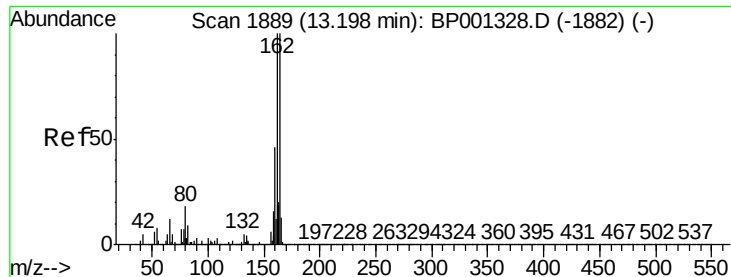
Tot Ion	82	Resp	325807
Ion Ratio	Lower	Upper	
82	100		
128	34.2	27.0	40.4
54	62.7	49.0	73.4



#32
Benzoic acid
Concen: 5.029 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	122	Resp	16
Ion Ratio	Lower	Upper	
122	100		
105	73.7	118.5	158.5#
77	1094.7	101.3	141.3#

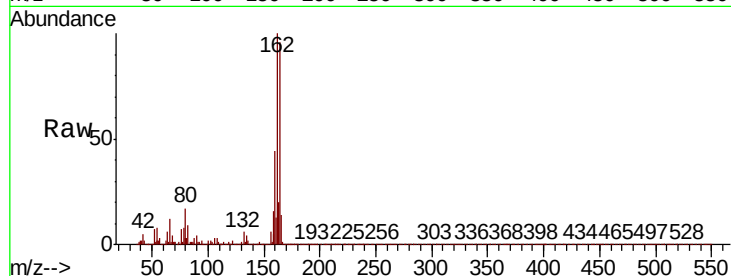




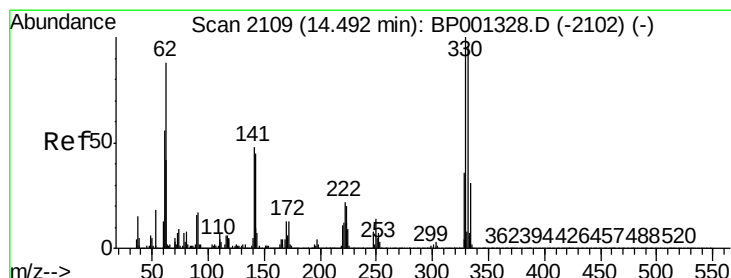
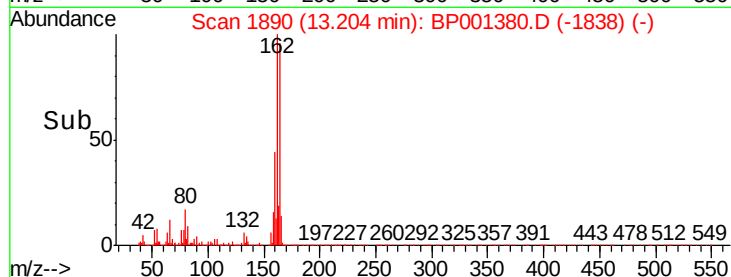
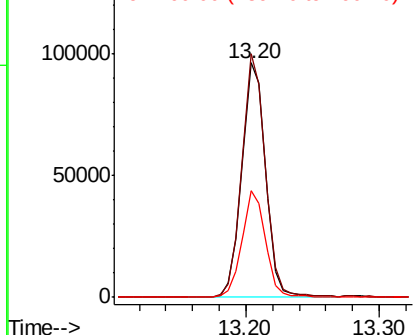
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1890
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	80.3	120.5
160	45.7	36.6	54.8

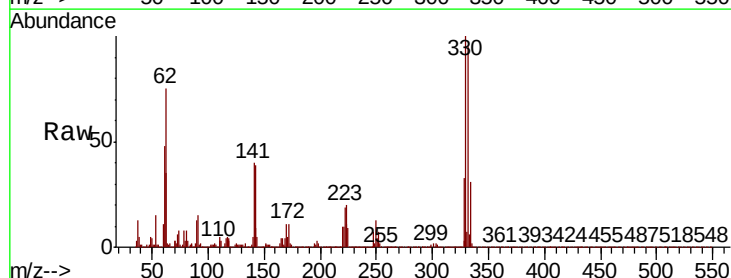


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

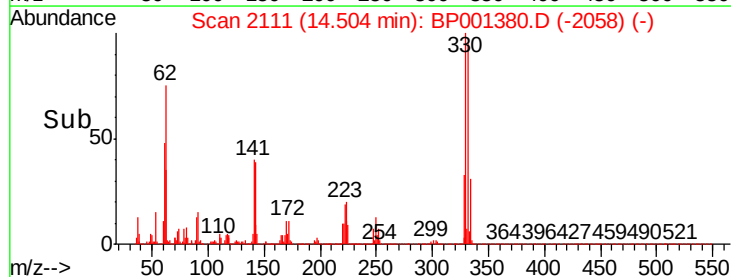
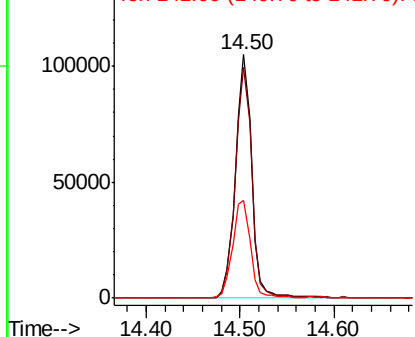


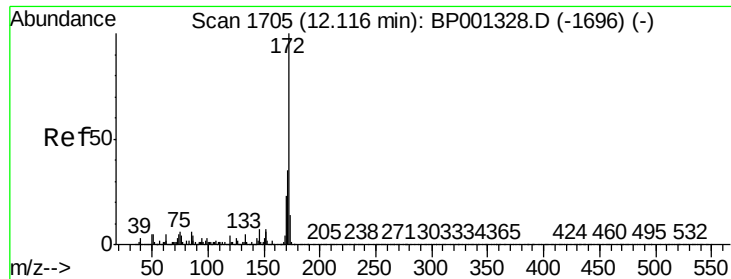
#42
2,4,6-Tribromophenol
Concen: 85.083 ng
RT: 14.50 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.7	118.1
141	43.8	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: 63.431 ng

RT: 12.12 min Scan# 1706

Delta R.T. 0.01 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

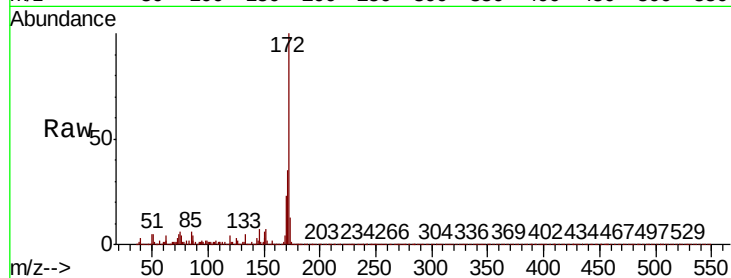
Instrument :

BNA_P

ClientSampleId :

Tot Ion:172 Resp: 595265

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.7	41.5
170	23.1	18.6	28.0

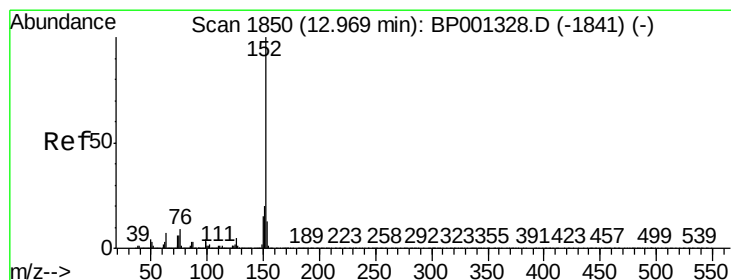
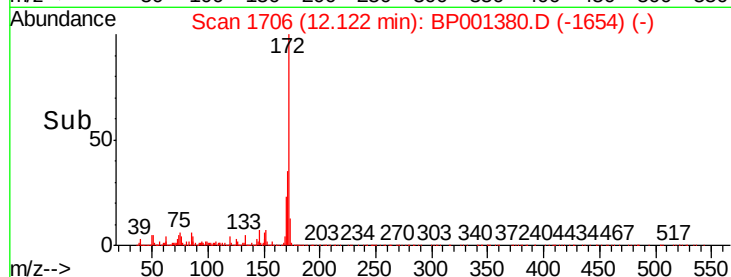
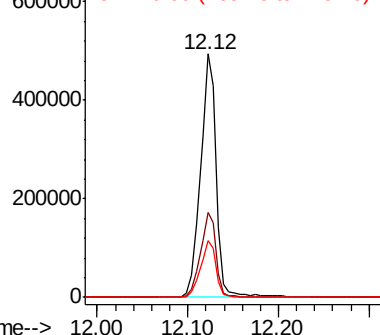


Abundance

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



#49

Acenaphthylene

Concen: 5.693 ng

RT: 12.97 min Scan# 1850

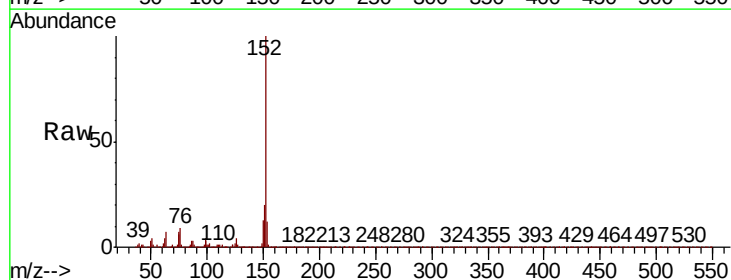
Delta R.T. -0.00 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

Tgt Ion:152 Resp: 66803

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	11.9	10.4	15.6

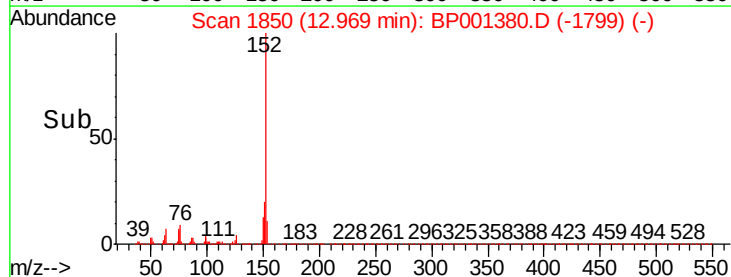
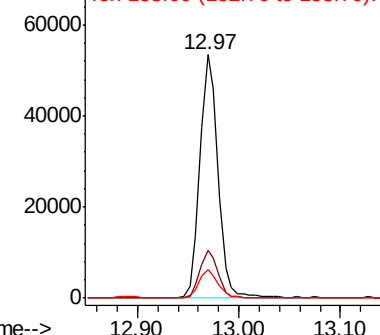


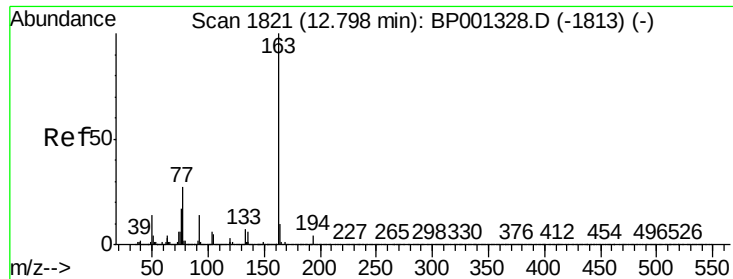
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

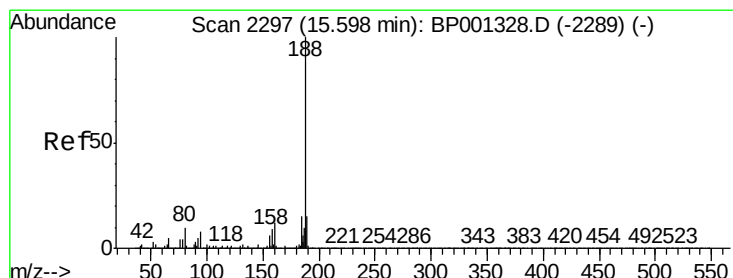
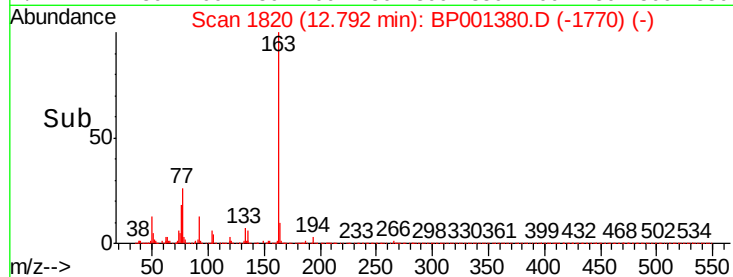
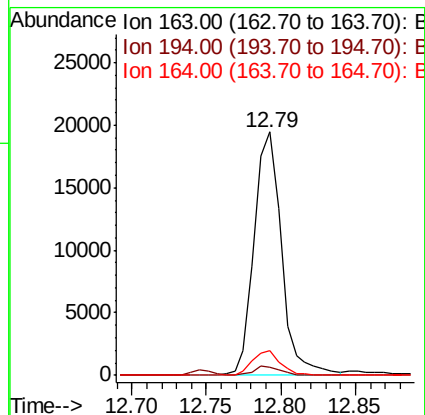
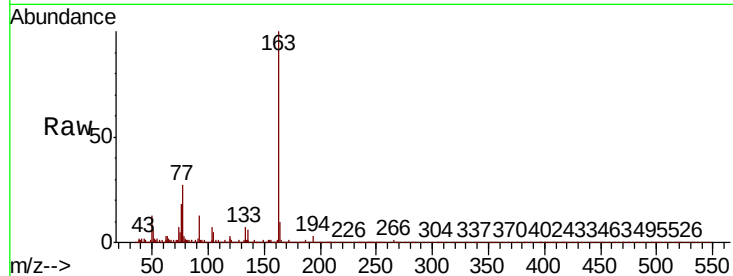




#50
Dimethylphthalate
Concen: 2.545 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

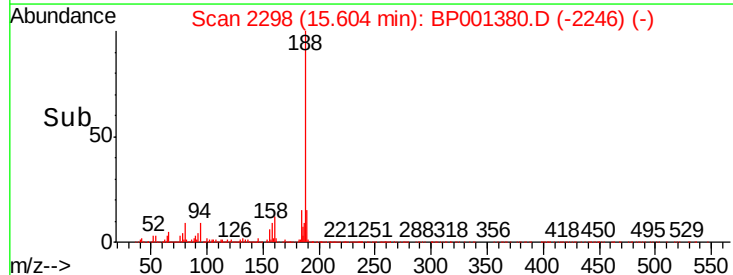
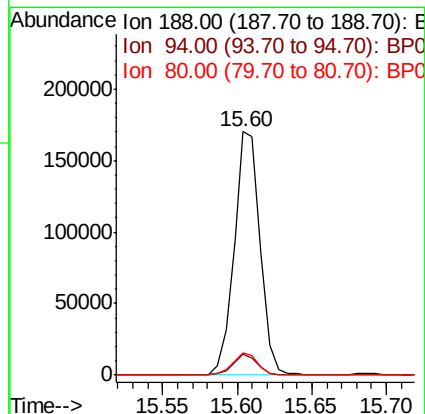
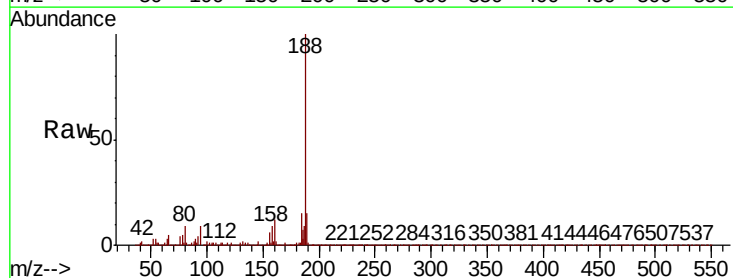
Instrument :
BNA_P
ClientSampled :

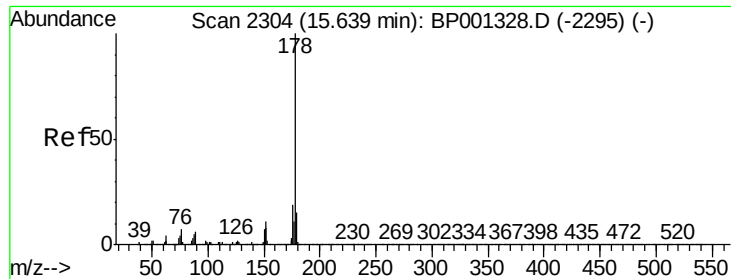
Tot Ion:163 Resp: 24776
Ion Ratio Lower Upper
163 100
194 3.3 3.4 5.0#
164 10.2 7.9 11.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion:188 Resp: 207121
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.2 7.8 11.6

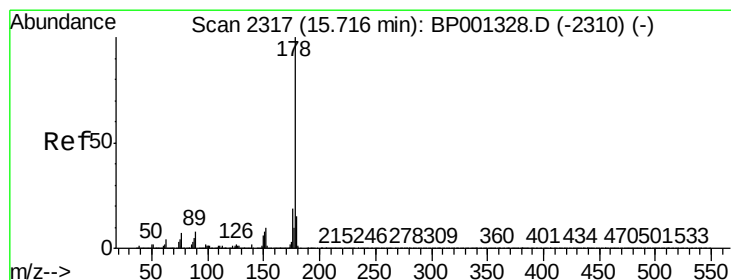
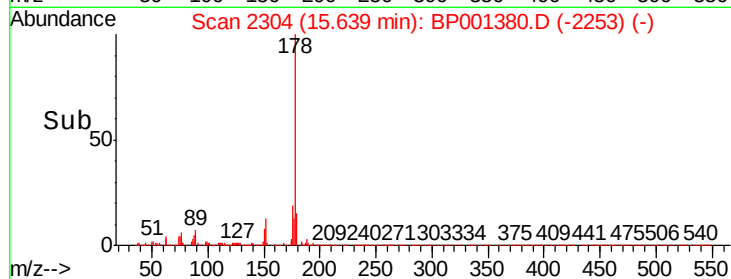
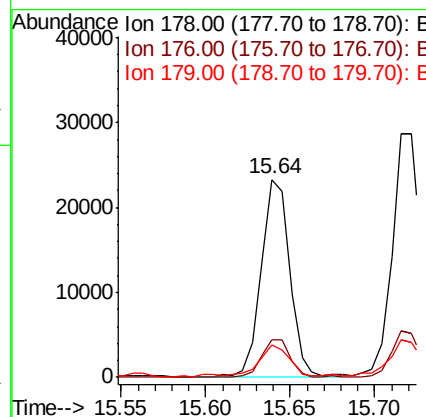
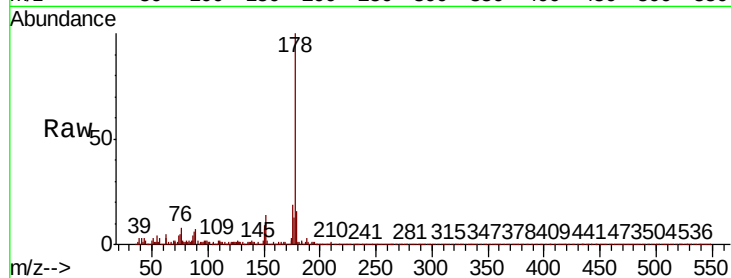




#71
Phenanthrene
Concen: 2.318 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.00 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

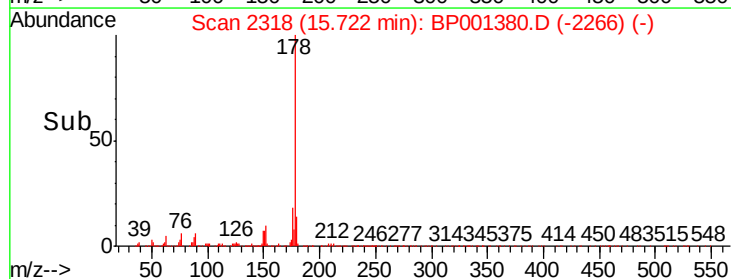
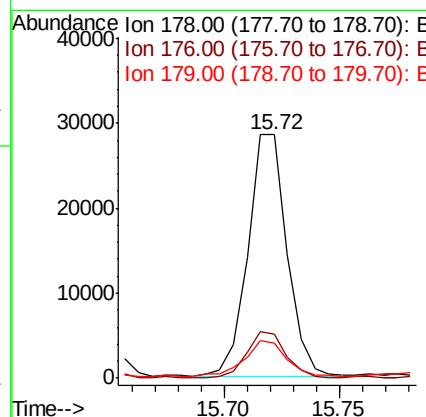
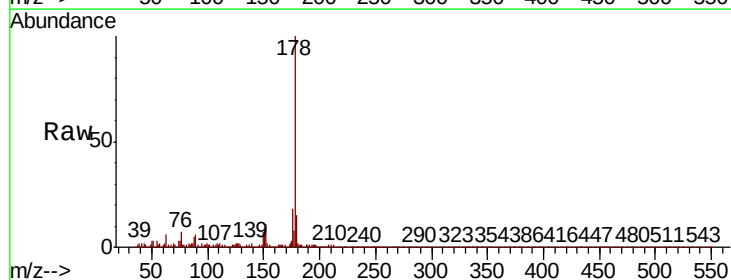
Instrument :
BNA_P
ClientSampleId :

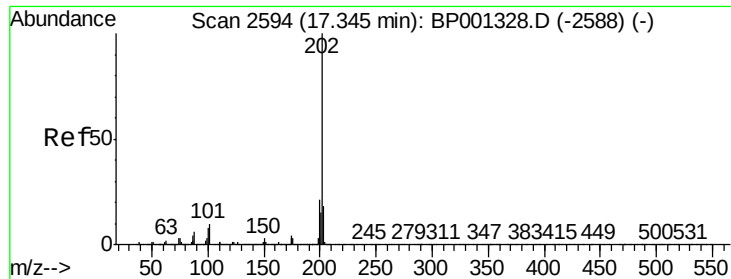
Tot Ion:178 Resp: 27389
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 16.1 12.0 18.0



#72
Anthracene
Concen: 2.873 ng
RT: 15.72 min Scan# 2318
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion:178 Resp: 33606
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 14.5 11.9 17.9





#75

Fluoranthene

Concen: 5.810 ng

RT: 17.36 min Scan# 2596

Delta R.T. 0.01 min

Lab File: BP001380.D

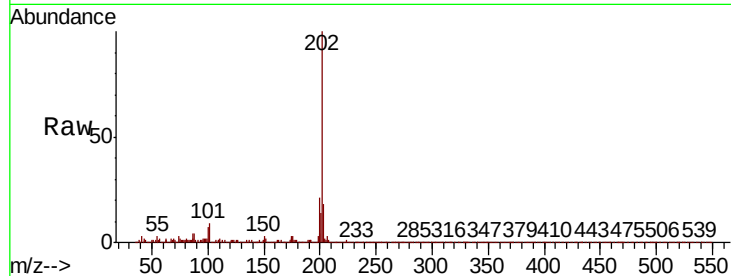
Acq: 23 Dec 2019 21:37

Instrument :

BNA_P

ClientSampleId :

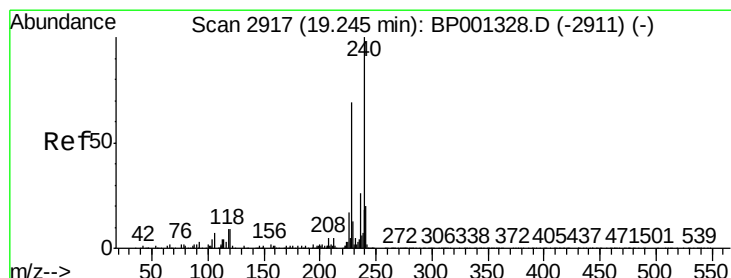
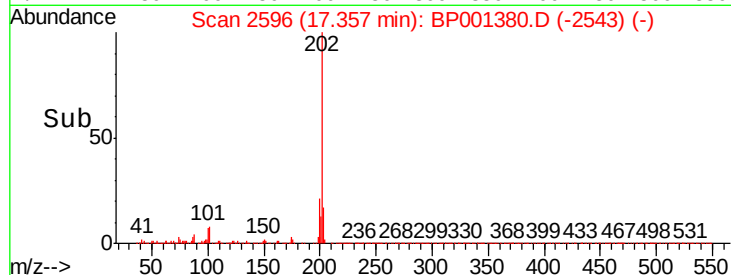
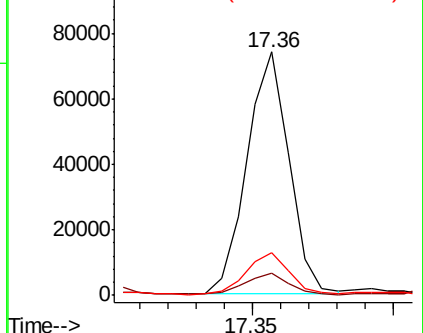
Tot Ion:	202	Resp:	76764
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	29.9
203	17.5	0.0	37.6



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

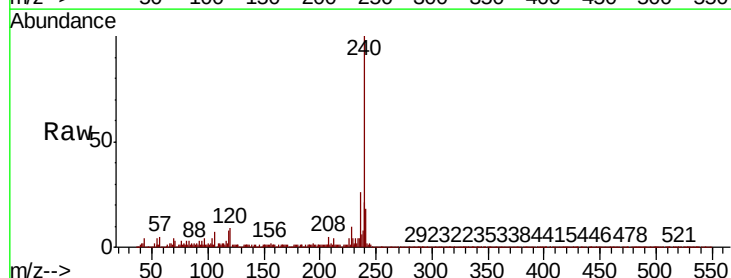
RT: 19.26 min Scan# 2919

Delta R.T. 0.01 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

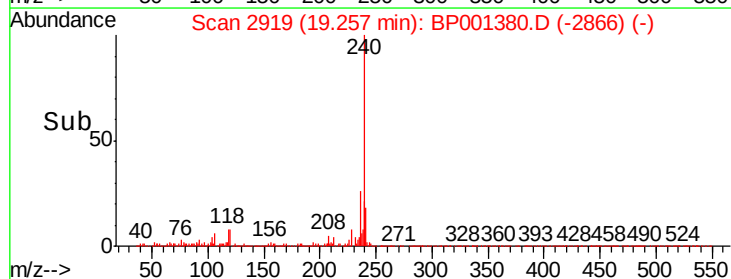
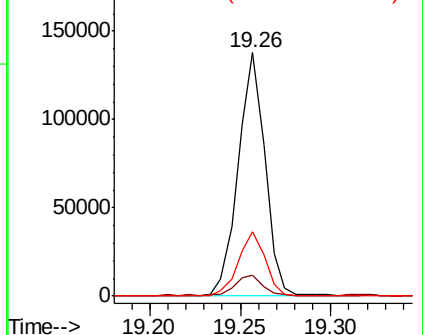
Tgt Ion:	240	Resp:	142091
Ion Ratio	Lower	Upper	
240	100		
120	8.6	7.6	11.4
236	26.3	21.0	31.4

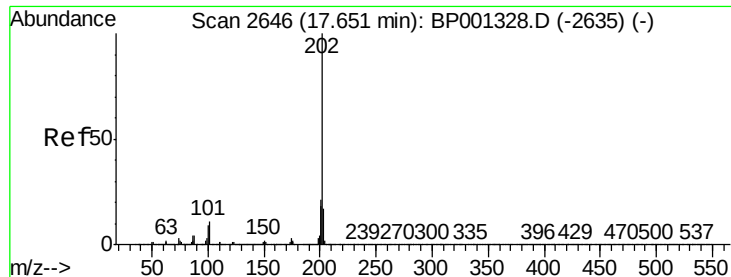


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.153 ng

RT: 17.66 min Scan# 2648

Delta R.T. 0.01 min

Lab File: BP001380.D

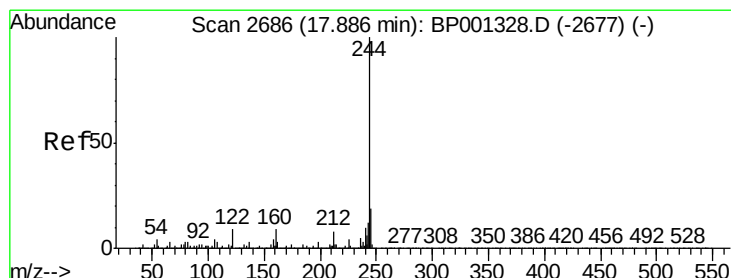
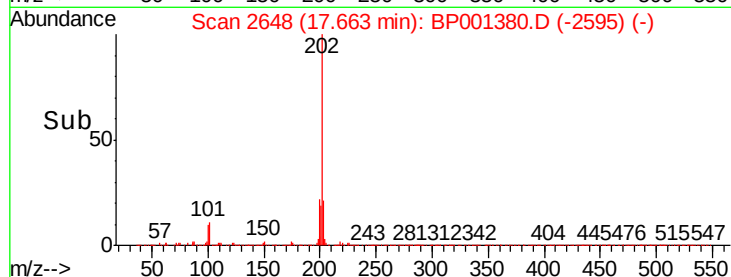
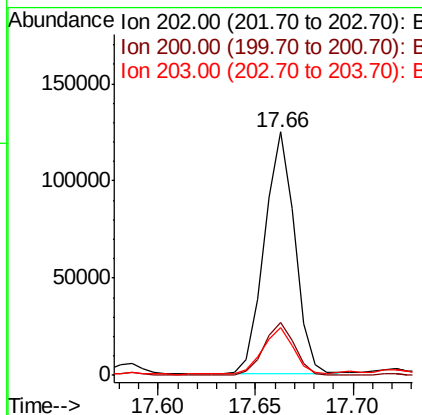
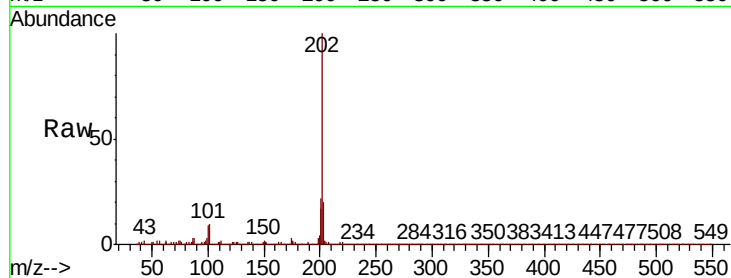
Acq: 23 Dec 2019 21:37

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	134075
Ion Ratio		Lower	Upper
202	100		
200	21.6	16.8	25.2
203	19.6	13.8	20.8



#79

Terphenyl-d14

Concen: 68.490 ng

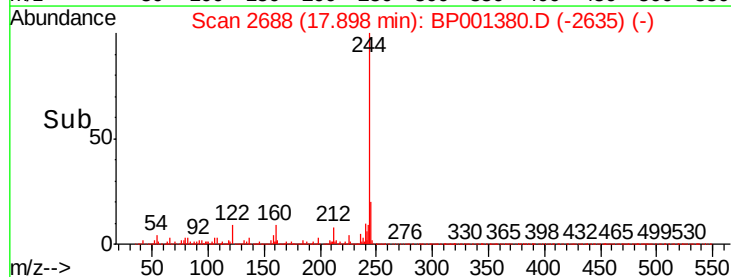
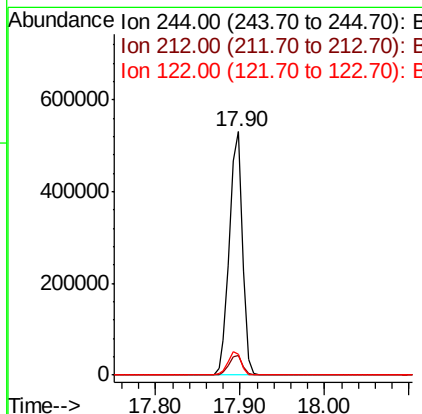
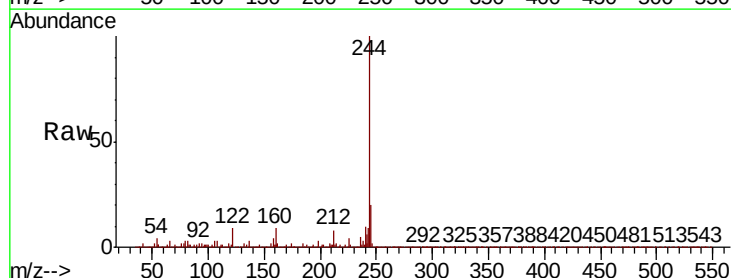
RT: 17.90 min Scan# 2688

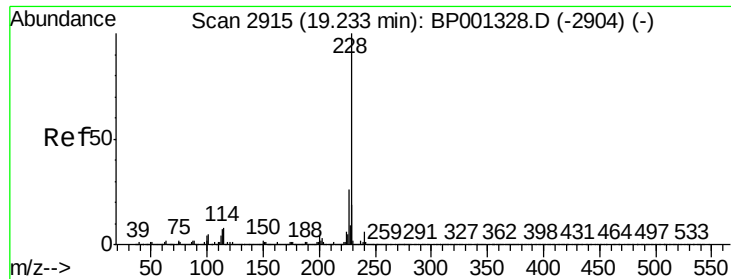
Delta R.T. 0.01 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

Tgt Ion:	244	Resp:	568189
Ion Ratio		Lower	Upper
244	100		
212	8.3	6.6	9.8
122	8.7	7.6	11.4

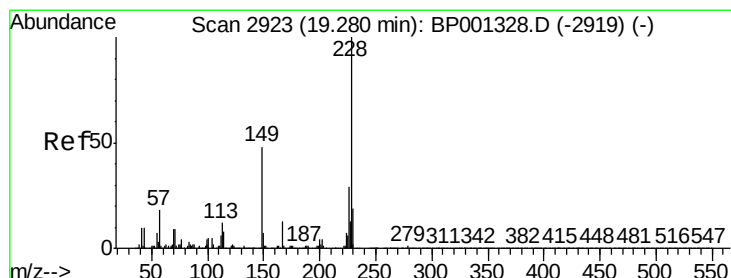
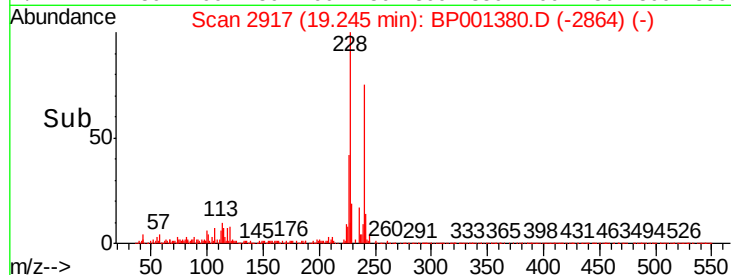
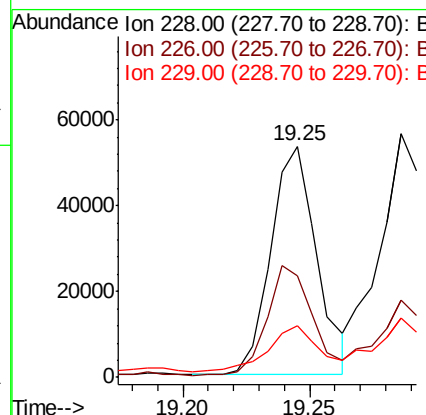
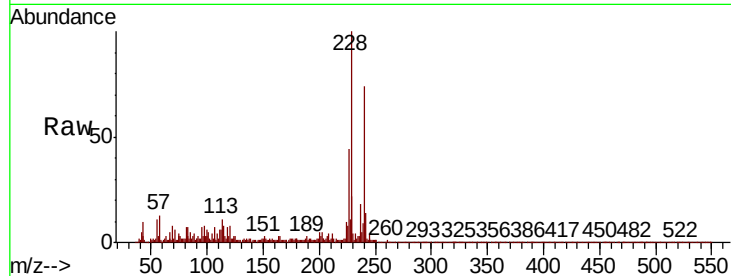




#81
Benzo(a)anthracene
Concen: 6.533 ng
RT: 19.25 min Scan# 2917
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

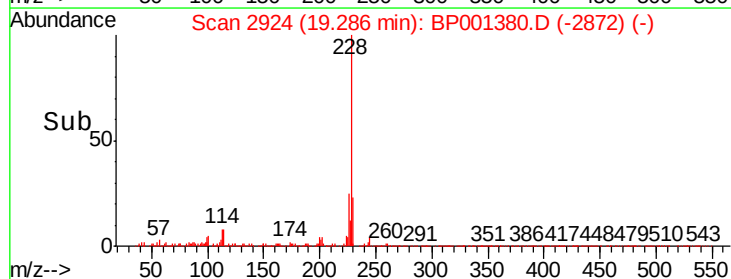
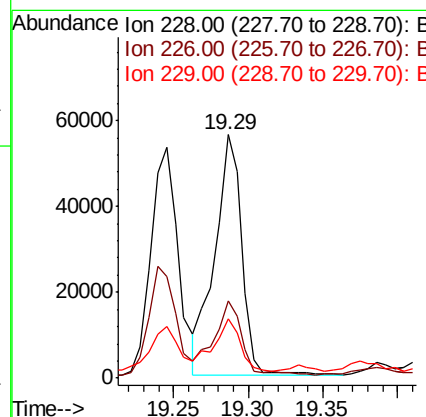
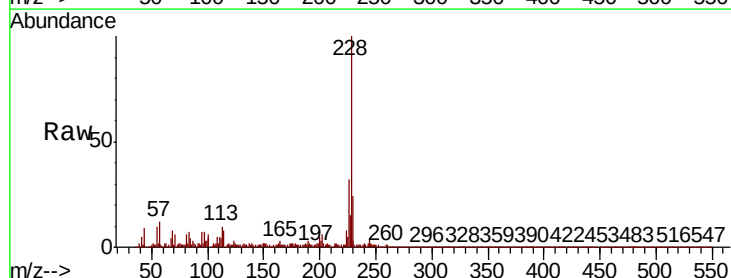
Instrument :
BNA_P
ClientSampleId :

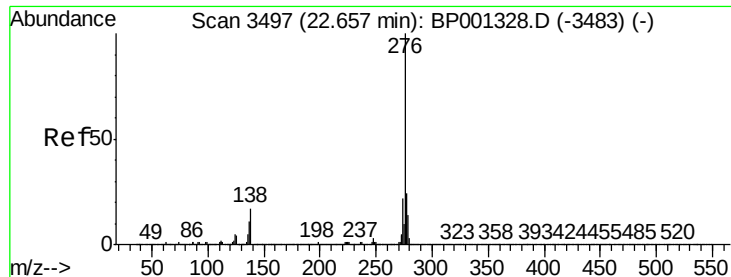
Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	43.8	21.2	31.8	
229	22.2	15.4	23.0	



#83
Chrysene
Concen: 7.145 ng
RT: 19.29 min Scan# 2924
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	31.7	23.1	34.7	
229	24.2	15.4	23.2	

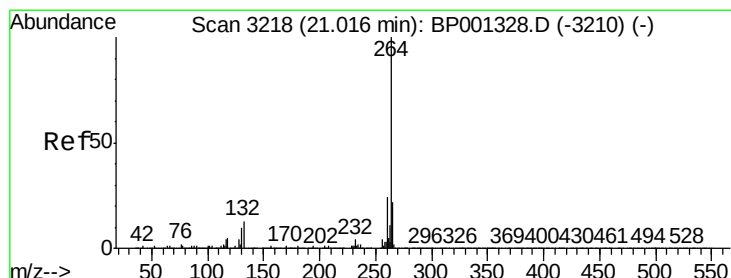
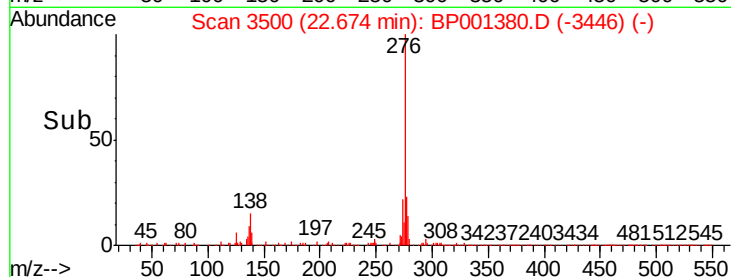
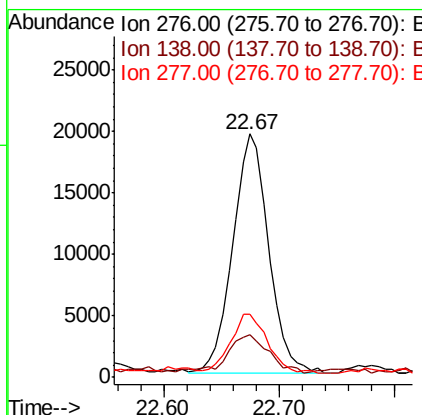
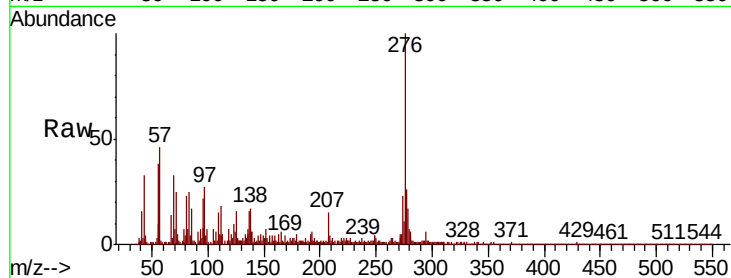




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.896 ng
 RT: 22.67 min Scan# 3500
 Delta R.T. 0.02 min
 Lab File: BP001380.D
 Acq: 23 Dec 2019 21:37

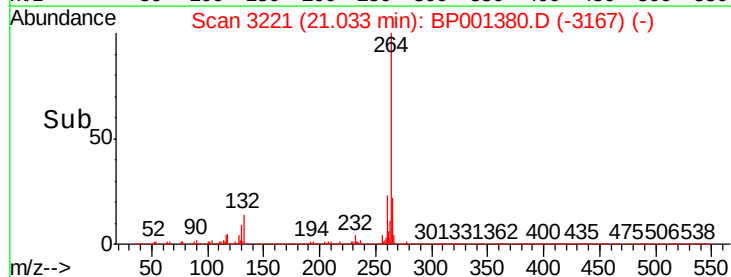
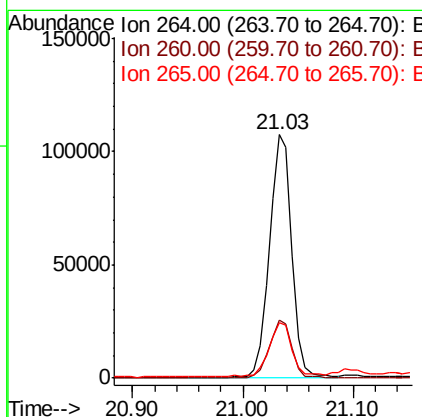
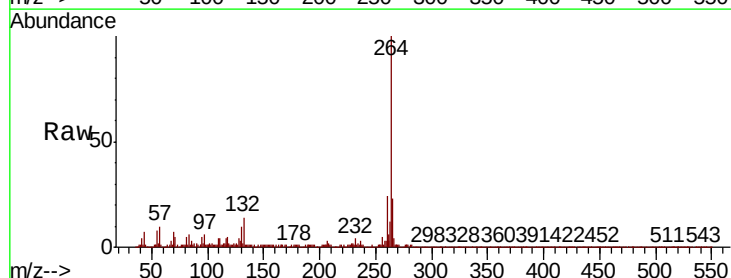
Instrument :
 BNA_P
 ClientSampleId :

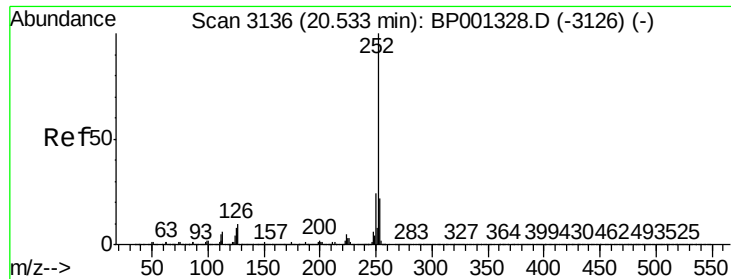
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	15.8	23.6
277	25.4	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 21.03 min Scan# 3221
 Delta R.T. 0.02 min
 Lab File: BP001380.D
 Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.8	17.4	26.2

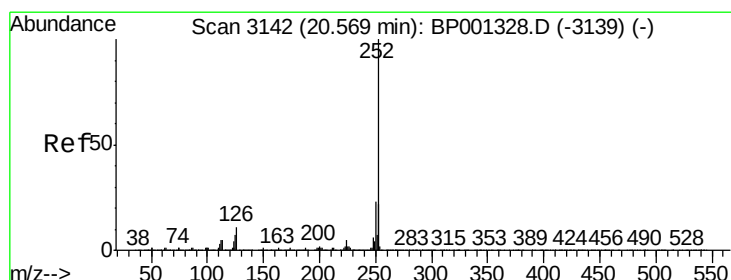
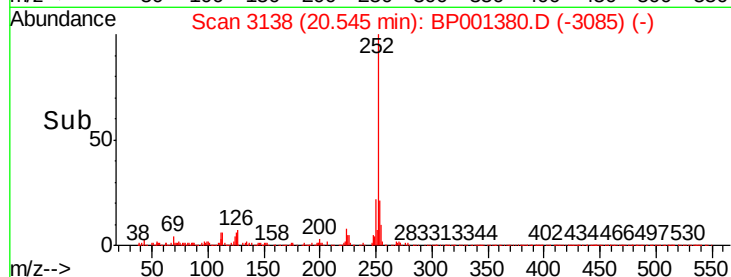
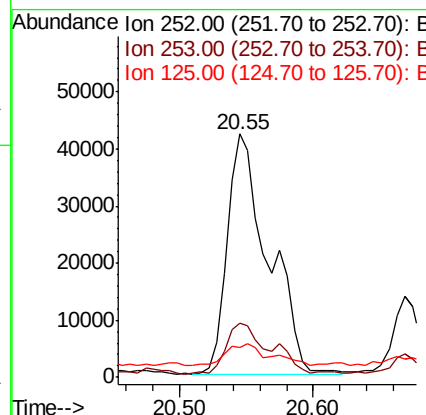
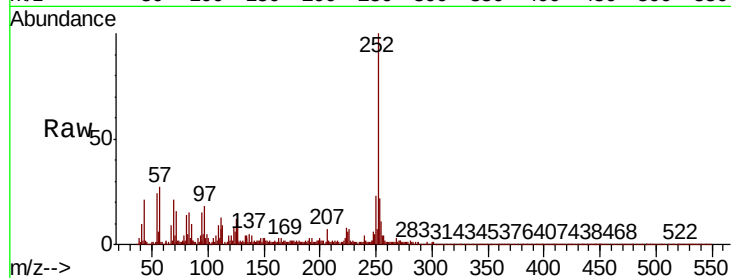




#88
Benzo(b)fluoranthene
Concen: 9.137 ng
RT: 20.55 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

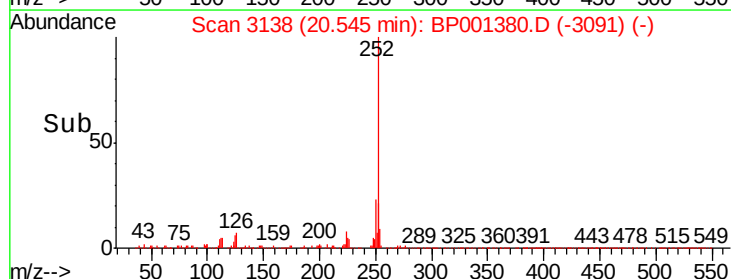
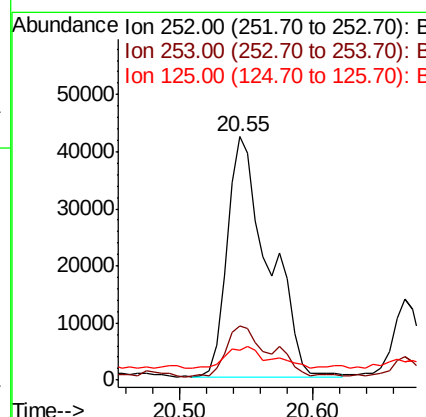
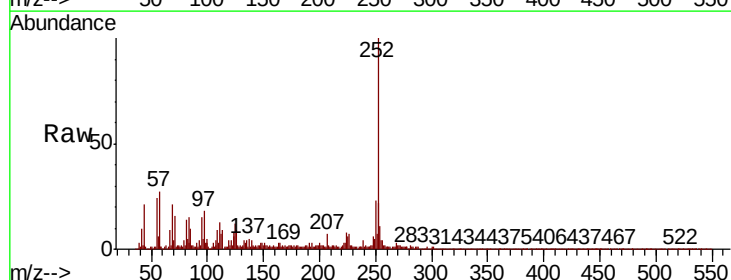
Instrument :
BNA_P
ClientSampleId :

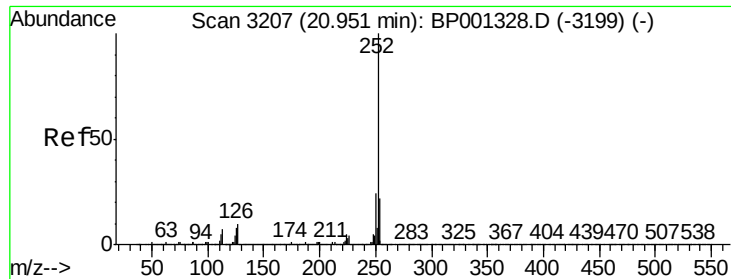
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.3	6.3	9.5#



#89
Benzo(k)fluoranthene
Concen: 9.592 ng
RT: 20.55 min Scan# 3138
Delta R.T. -0.02 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	12.3	5.9	8.9#





#90

Benzo(a)pyrene

Concen: 7.004 ng

RT: 20.96 min Scan# 3208

Delta R.T. 0.01 min

Lab File: BP001380.D

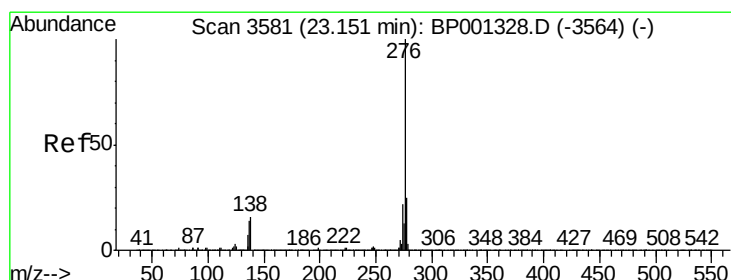
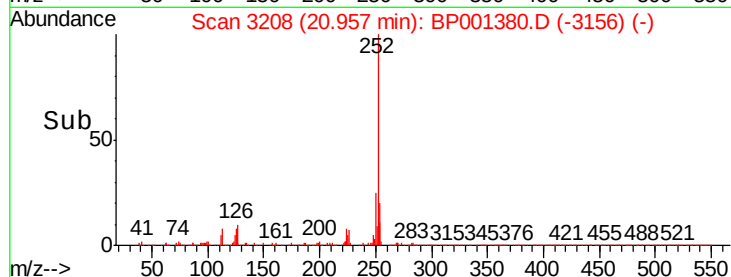
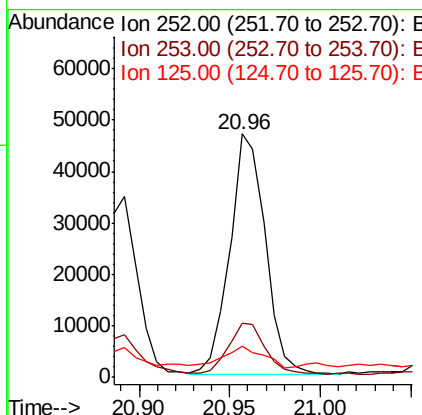
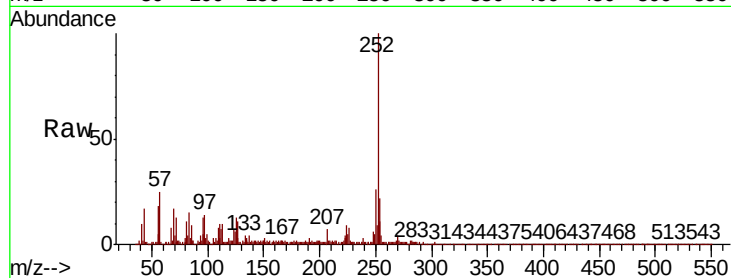
Acq: 23 Dec 2019 21:37

Instrument :

BNA_P

ClientSampleId :

Tot	Ion:252	Resp:	63634
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	13.0	6.3	9.5#



#92

Benzo(g,h,i)perylene

Concen: 6.130 ng

RT: 23.17 min Scan# 3584

Delta R.T. 0.02 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

Tgt	Ion:276	Resp:	52031
Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	16.0	12.6	18.8

