

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001411.D
 Acq On : 25 Dec 2019 07:18
 Operator : JU
 Sample : K6372-17DL 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 25 08:19:48 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	36626	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	128726	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	71757	20.00	ng	0.00
64) Phenanthrene-d10	15.58	188	132988	20.00	ng	0.00
76) Chrysene-d12	19.22	240	104111	20.00	ng	0.00
87) Perylene-d12	20.99	264	108179	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.20	112	10003	4.41	ng	0.00
7) Phenol-d6	7.75	99	8501	2.87	ng	0.00
23) Nitrobenzene-d5	9.16	82	26589	7.93	ng	-0.01
42) 2,4,6-Tribromophenol	14.47	330	9760	10.88	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	50867	8.96	ng	0.00
79) Terphenyl-d14	17.86	244	57371	9.44	ng	0.00

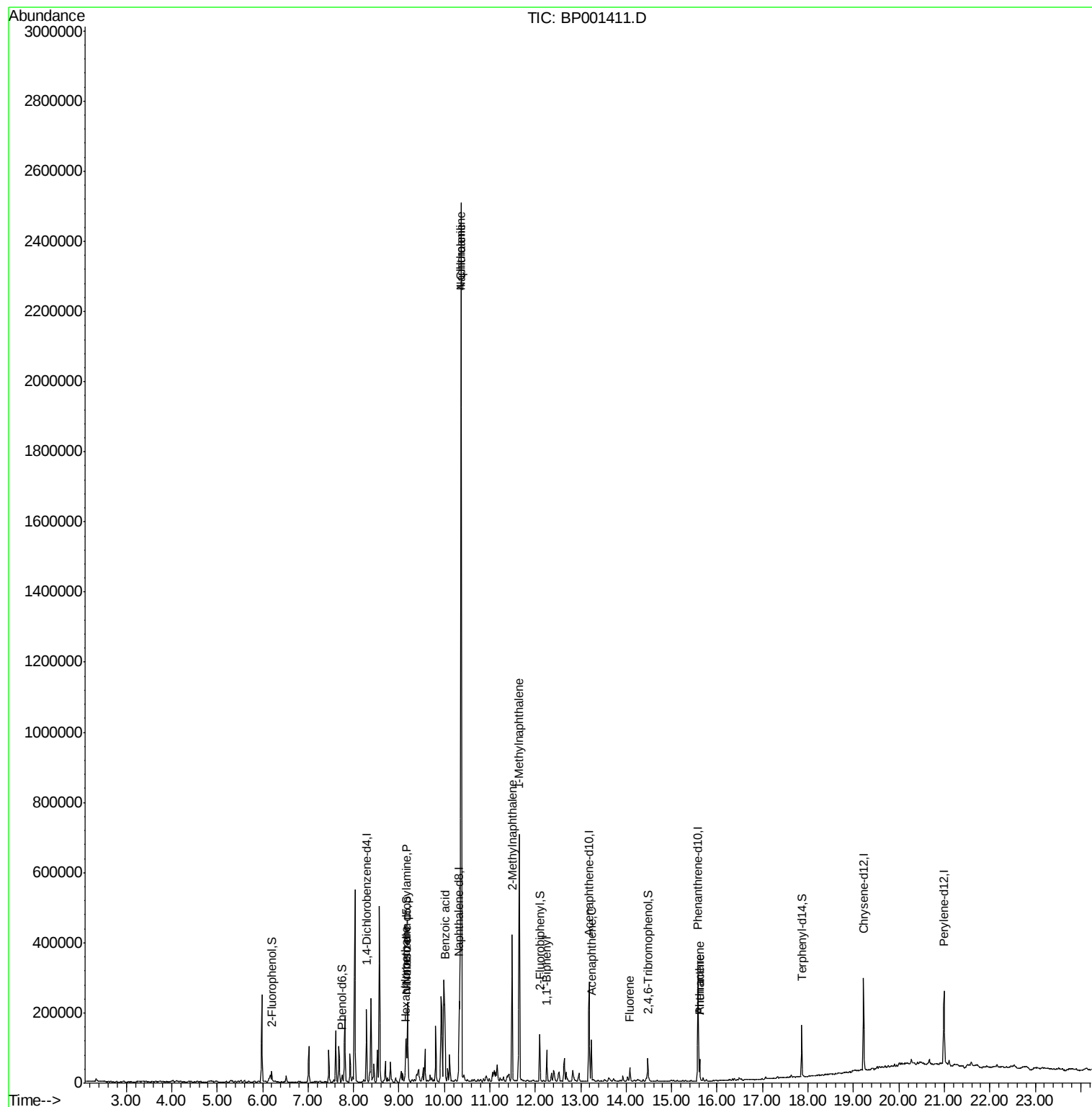
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.13	117	8830	7.179	ng	# 21
19) n-Nitroso-di-n-propylamine	9.16	70	4223	2.012	ng	# 85
31) Naphthalene	10.37	128	1421984	202.368	ng	99
32) Benzoic acid	10.01	122	323	5.229	ng	# 1
33) 4-Chloroaniline	10.37	127	189042	65.785	ng	# 31
37) 2-Methylnaphthalene	11.49	142	125244	25.818	ng	98
38) 1-Methylnaphthalene	11.65	142	212948	46.692	ng	98
46) 1,1'-Biphenyl	12.25	154	35502	5.912	ng	96
52) Acenaphthene	13.23	154	30558	7.147	ng	96
58) Fluorene	14.08	166	14282	2.665	ng	93
71) Phenanthrene	15.62	178	28783	3.794	ng	98
72) Anthracene	15.62	178	28783	3.832	ng	98

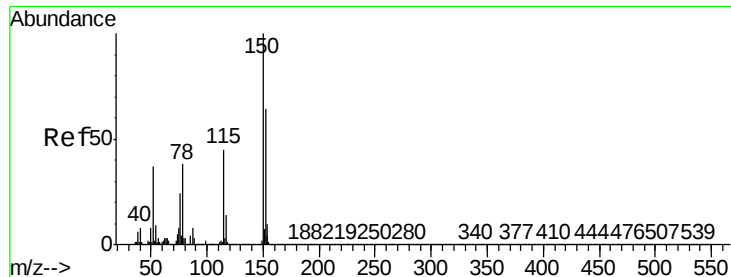
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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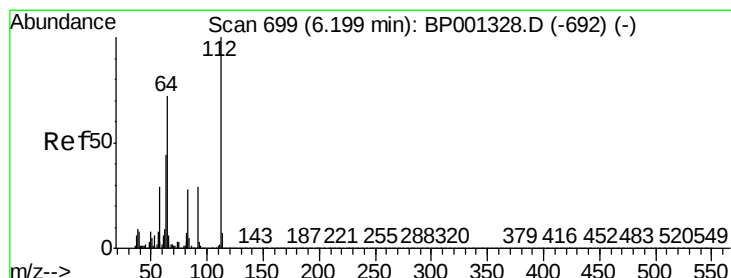
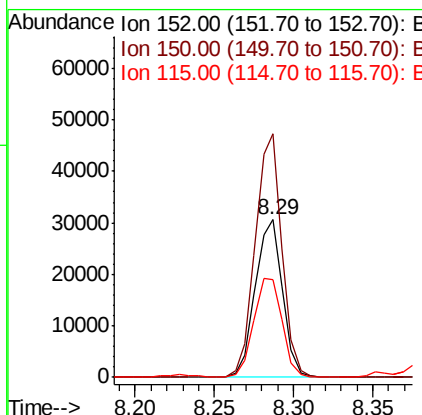
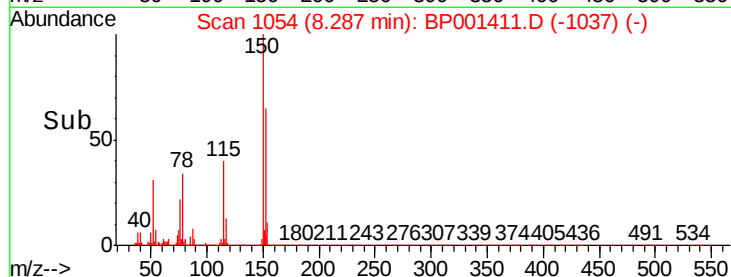
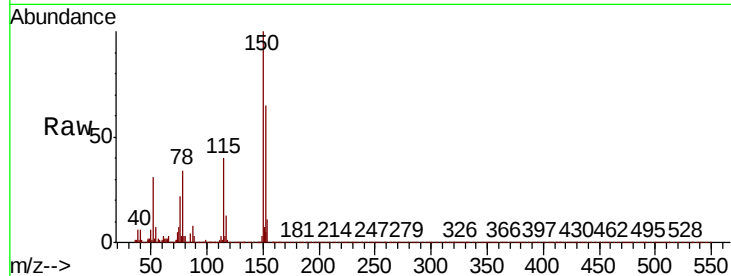




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.29 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: BP001411.D
 Acq: 25 Dec 2019 07:18

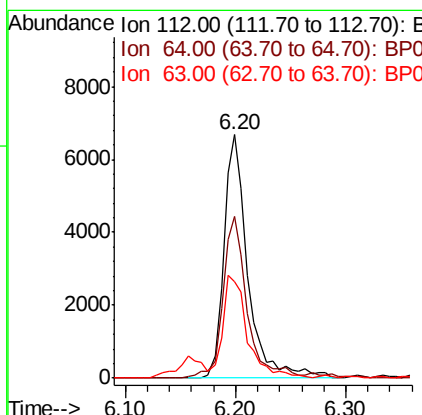
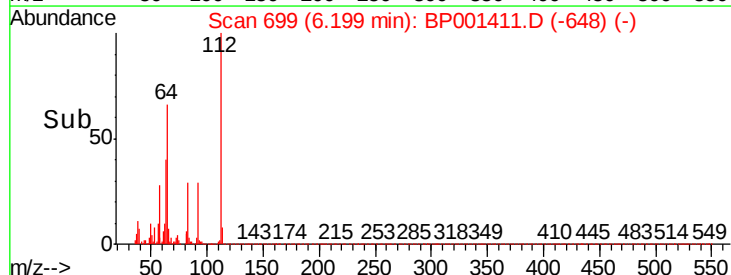
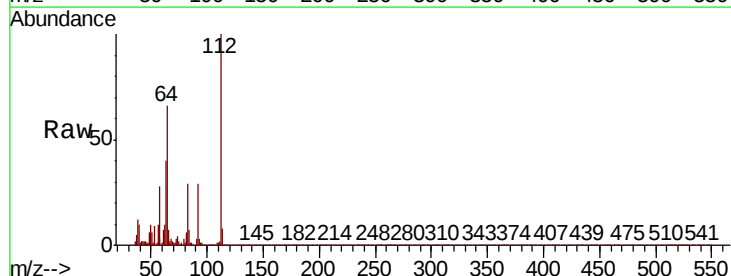
Instrument :
 BNA_P
 ClientSampleId :

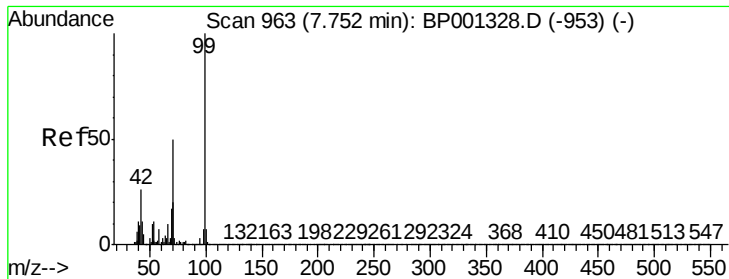
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	127.0	190.6
115	62.4	56.1	84.1



#5
 2-Fluorophenol
 Concen: 4.414 ng
 RT: 6.20 min Scan# 699
 Delta R.T. -0.00 min
 Lab File: BP001411.D
 Acq: 25 Dec 2019 07:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	53.9	80.9
63	39.6	33.4	50.0





#7

Phenol-d6

Concen: 2.875 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BP001411.D

Acq: 25 Dec 2019 07:18

Instrument :

BNA_P

ClientSampled :

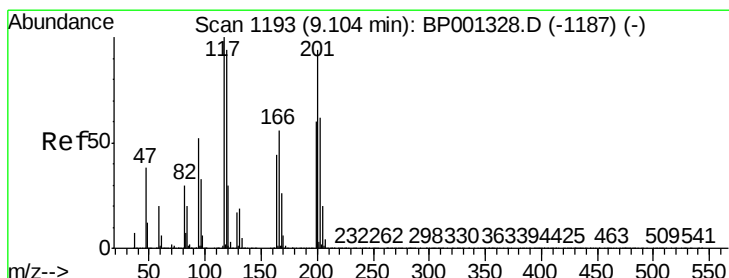
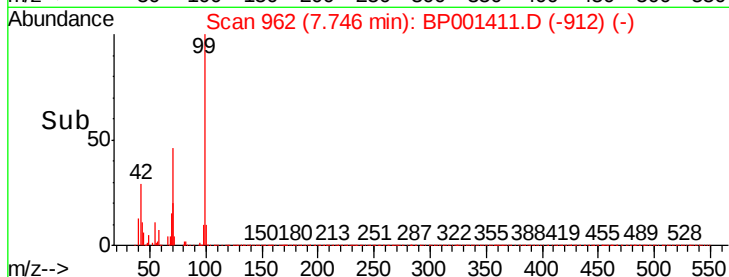
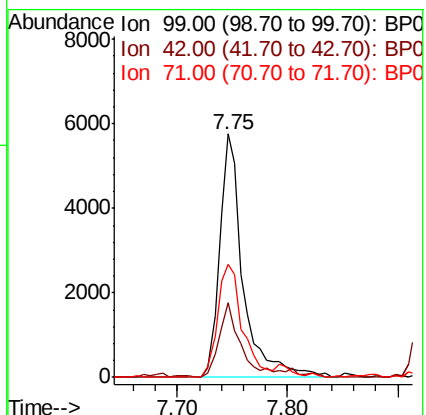
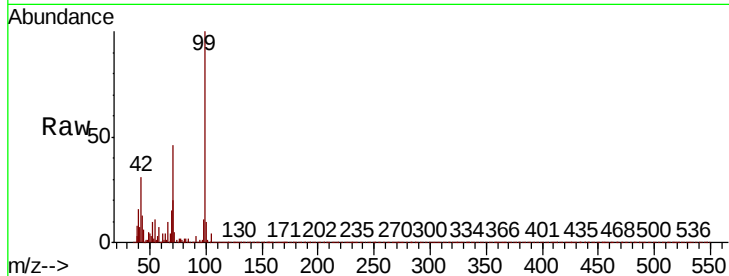
Tot Ion: 99 Resp: 8501

Ion Ratio Lower Upper

99 100

42 30.6 20.8 31.2

71 46.3 38.2 57.4



#18

Hexachloroethane

Concen: 7.179 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.05 min

Lab File: BP001411.D

Acq: 25 Dec 2019 07:18

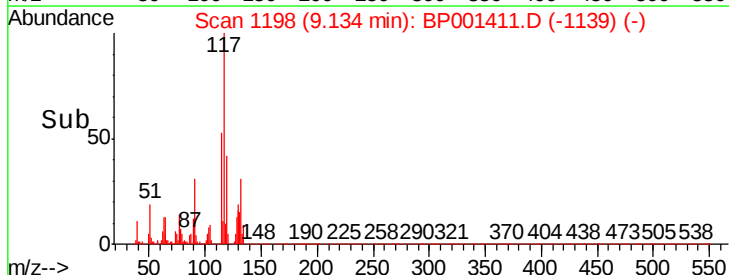
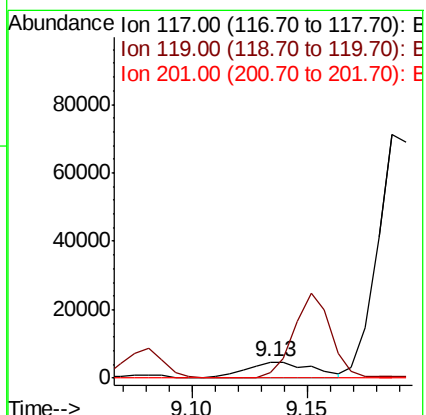
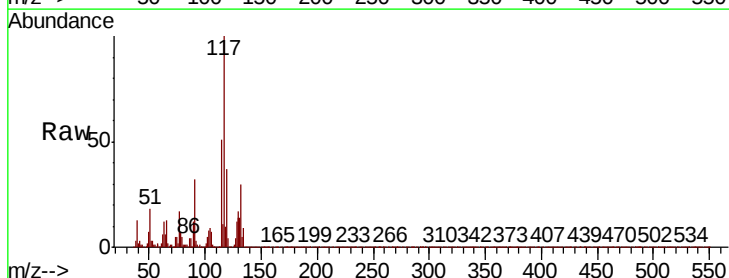
Tgt Ion: 117 Resp: 8830

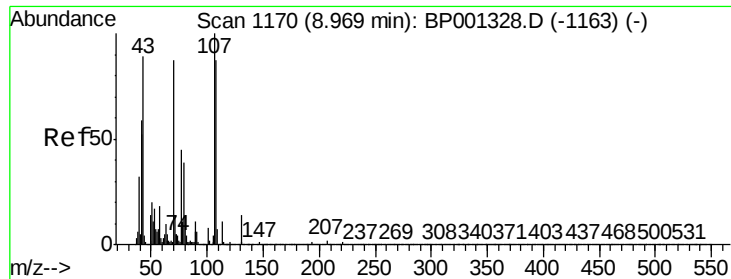
Ion Ratio Lower Upper

117 100

119 37.0 75.8 113.6#

201 0.4 77.8 116.6#

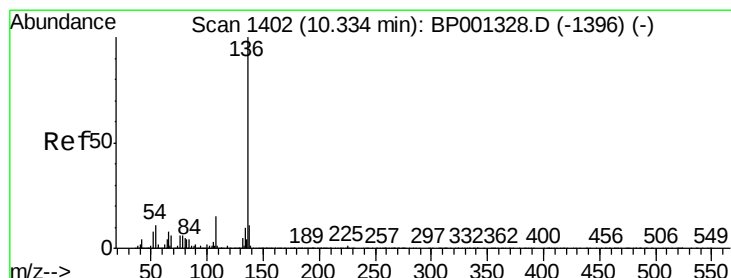
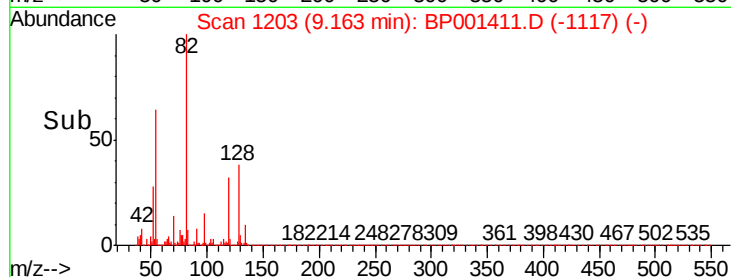
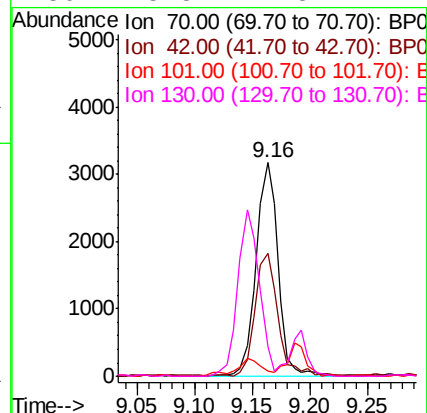
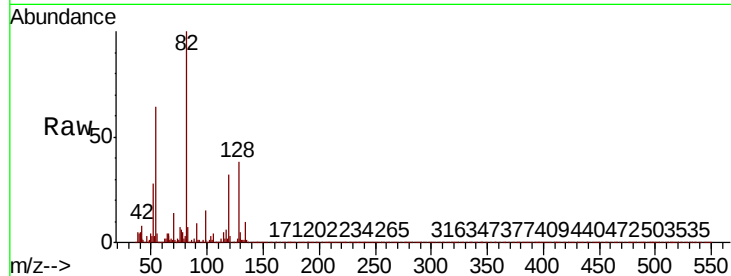




#19
n-Nitroso-di-n-propylamine
Concen: 2.012 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.21 min
Lab File: BP001411.D
Acq: 25 Dec 2019 07:18

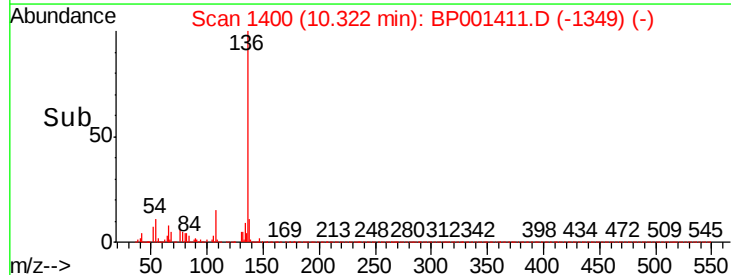
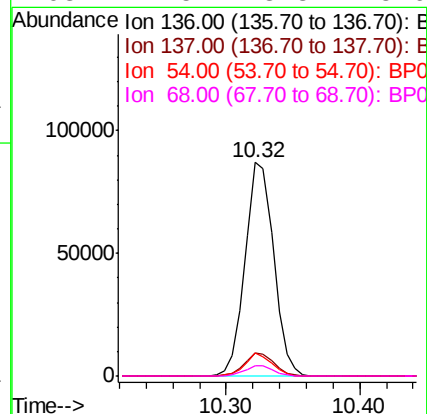
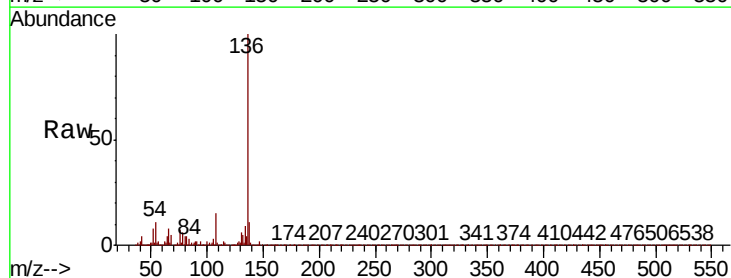
Instrument :
BNA_P
ClientSampled :

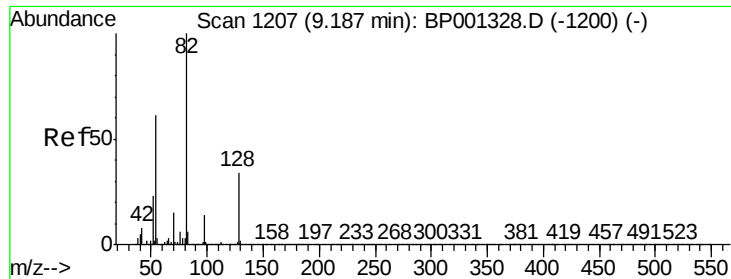
Tot Ion: 70 Resp: 4223
Ion Ratio Lower Upper
70 100
42 57.7 55.8 83.8
101 2.3 8.2 12.2#
130 13.8 14.5 21.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BP001411.D
Acq: 25 Dec 2019 07:18

Tgt Ion: 136 Resp: 128726
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 10.6 7.3 10.9
68 4.5 3.8 5.6

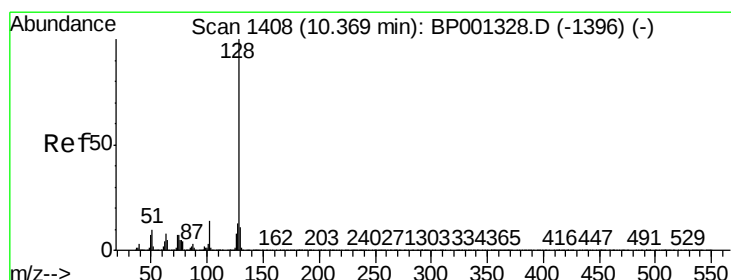
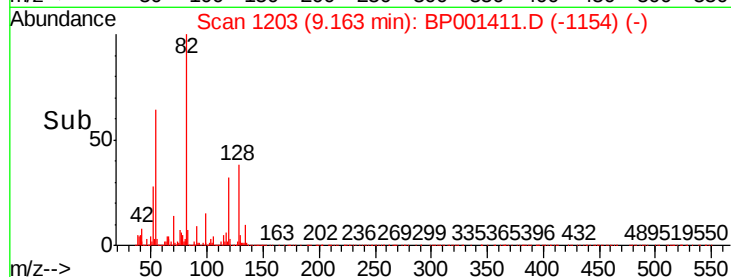
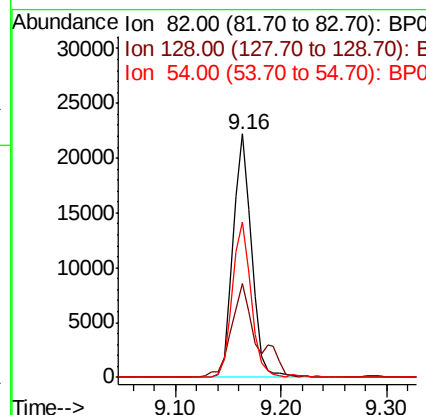
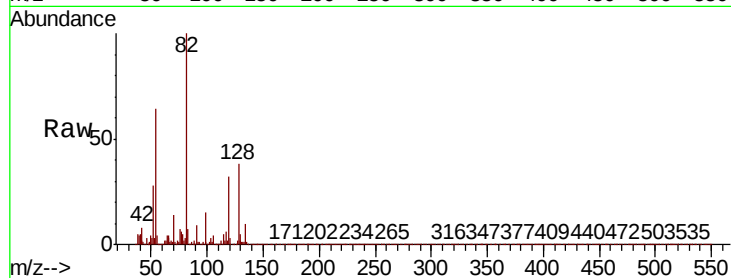




#23
 Nitrobenzene-d5
 Concen: 7.932 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BP001411.D
 Acq: 25 Dec 2019 07:18

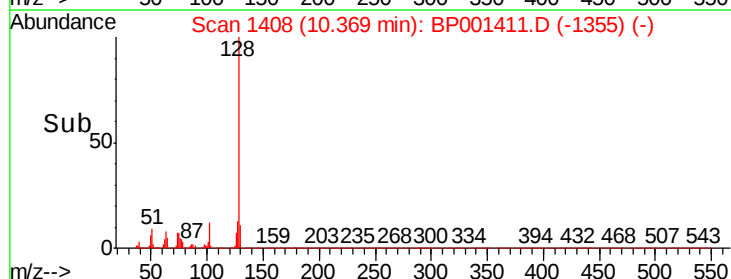
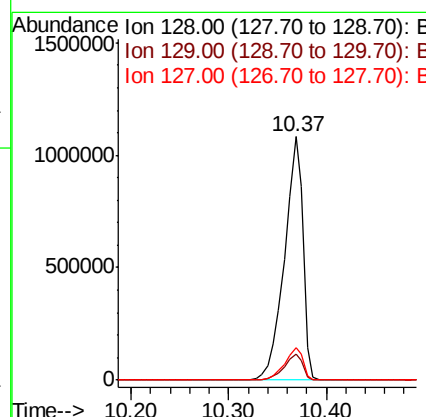
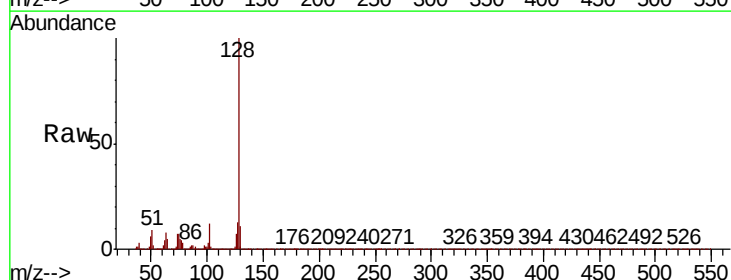
Instrument :
 BNA_P
 ClientSampled :

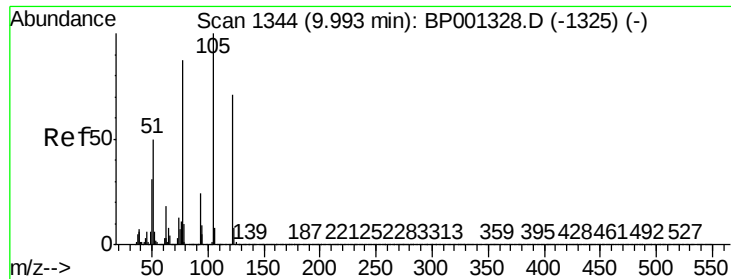
Tot Ion	82	Resp	26589
Ion Ratio	Lower	Upper	
82	100		
128	38.4	27.4	41.0
54	63.9	47.5	71.3



#31
 Naphthalene
 Concen: 202.368 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. 0.01 min
 Lab File: BP001411.D
 Acq: 25 Dec 2019 07:18

Tgt Ion	128	Resp	1421984
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.3	11.0	16.6

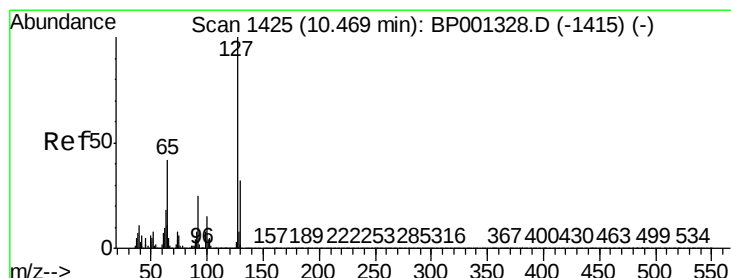
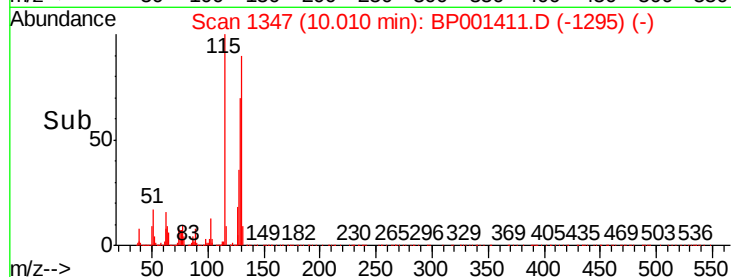
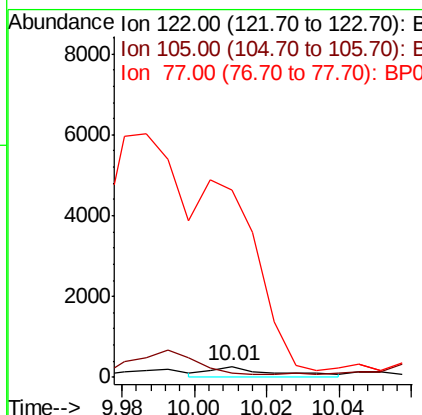
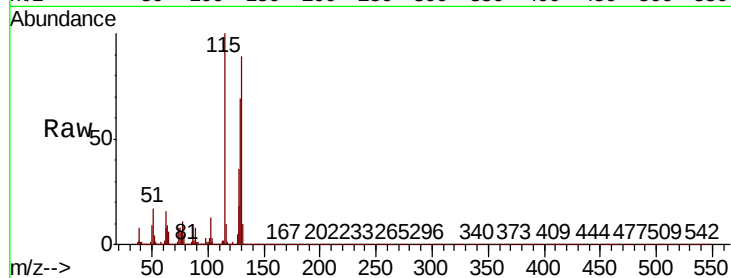




#32
Benzoic acid
Concen: 5.229 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BP001411.D
Acq: 25 Dec 2019 07:18

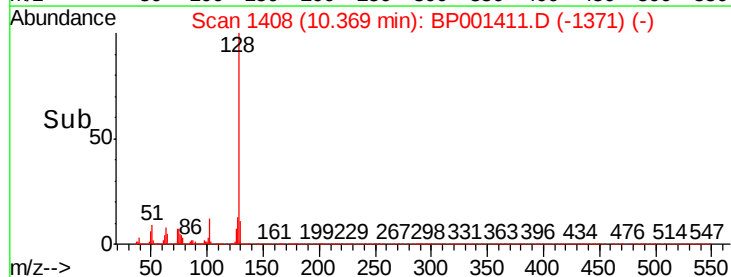
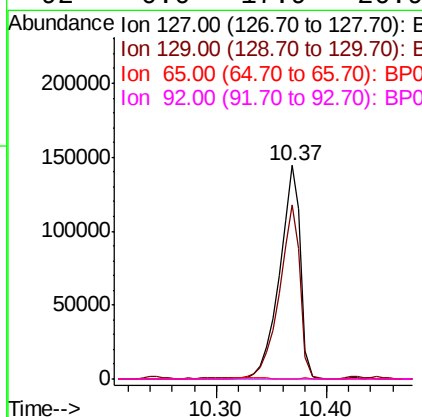
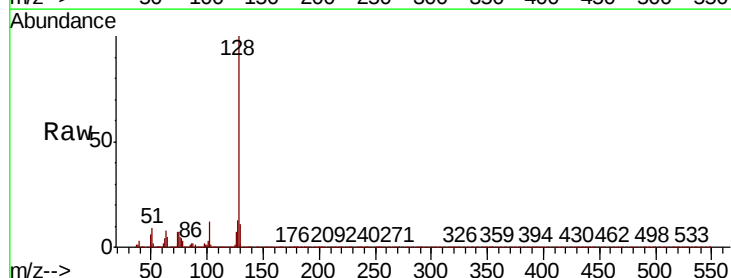
Instrument :
BNA_P
ClientSampleId :

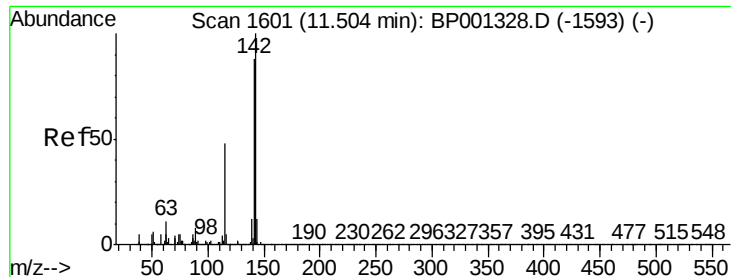
Tot Ion:122 Resp: 323
Ion Ratio Lower Upper
122 100
105 39.8 117.8 157.8#
77 1722.7 85.6 125.6#



#33
4-Chloroaniline
Concen: 65.785 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.08 min
Lab File: BP001411.D
Acq: 25 Dec 2019 07:18

Tgt Ion:127 Resp: 189042
Ion Ratio Lower Upper
127 100
129 81.7 25.8 38.8#
65 0.0 33.9 50.9#
92 0.0 17.9 26.9#

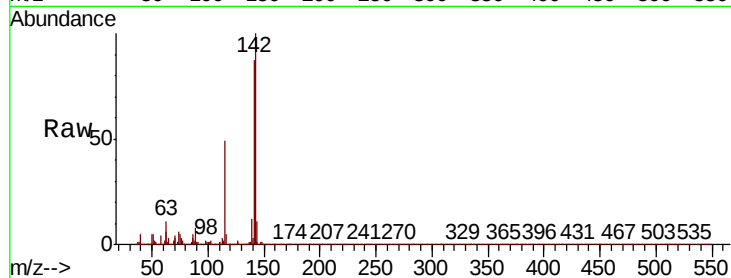




#37
2-Methylnaphthalene
Concen: 25.818 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BP001411.D
Acq: 25 Dec 2019 07:18

Instrument :
BNA_P
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.2	105.2
115	49.3	37.0	55.4

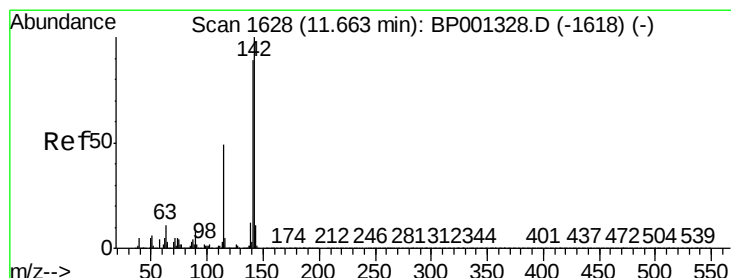
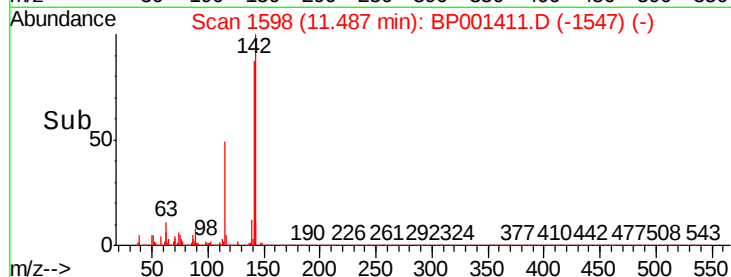
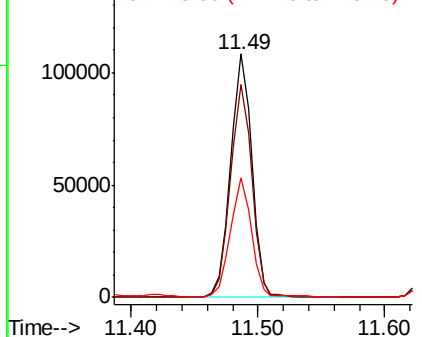


Abundance

Ion 142.00 (141.70 to 142.70): E

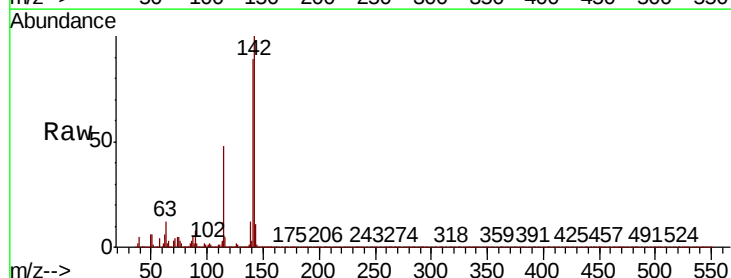
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 46.692 ng
RT: 11.65 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BP001411.D
Acq: 25 Dec 2019 07:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.9	109.3
116	5.1	3.8	5.8

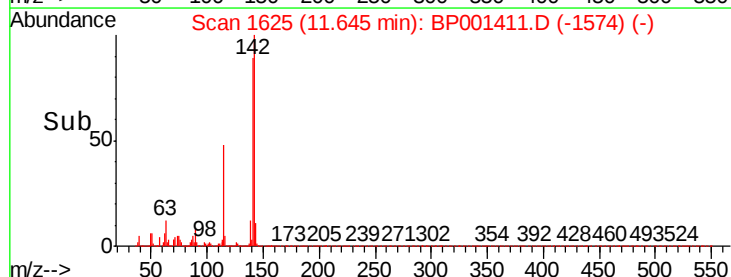
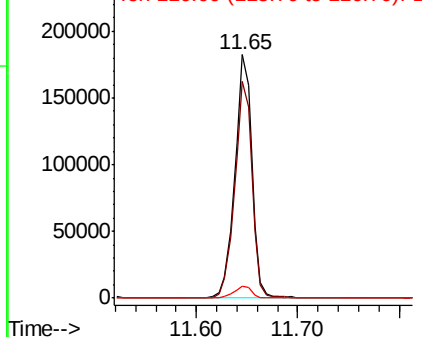


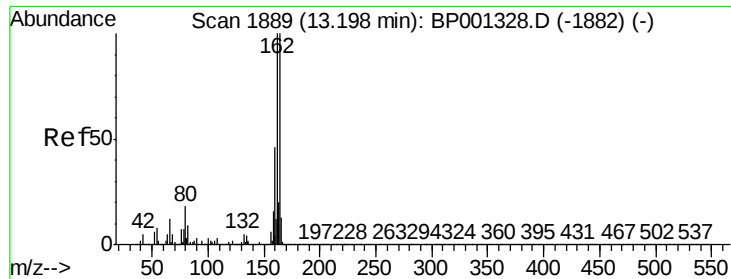
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.18 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BP001411.D

Acq: 25 Dec 2019 07:18

Instrument :

BNA_P

ClientSampleId :

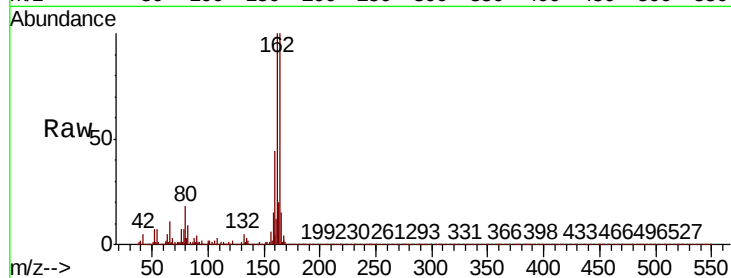
Tot Ion:164 Resp: 71757

Ion Ratio Lower Upper

164 100

162 99.9 78.2 117.4

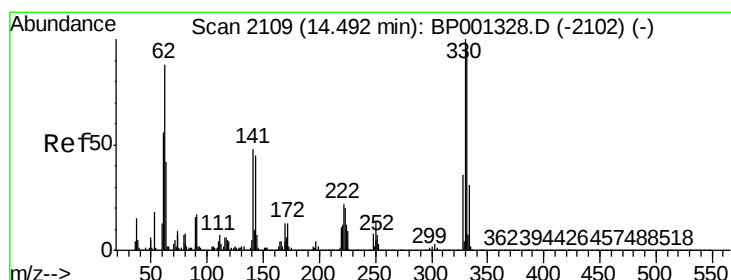
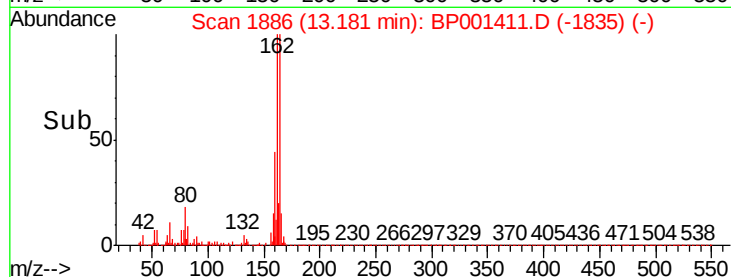
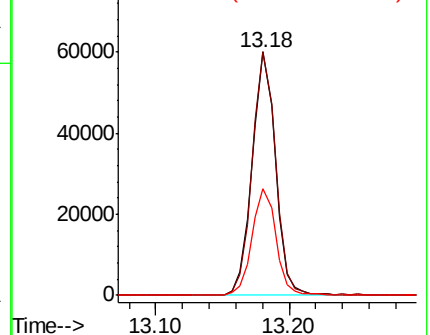
160 43.9 35.1 52.7



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: 10.879 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BP001411.D

Acq: 25 Dec 2019 07:18

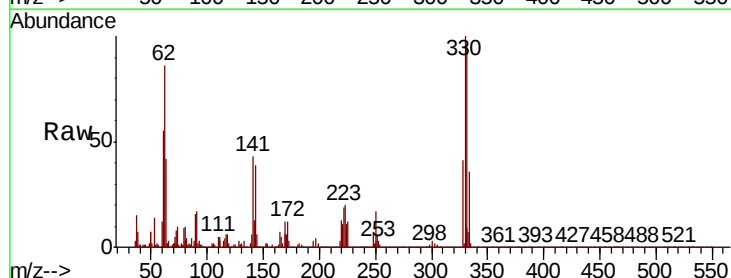
Tgt Ion:330 Resp: 9760

Ion Ratio Lower Upper

330 100

332 97.5 78.3 117.5

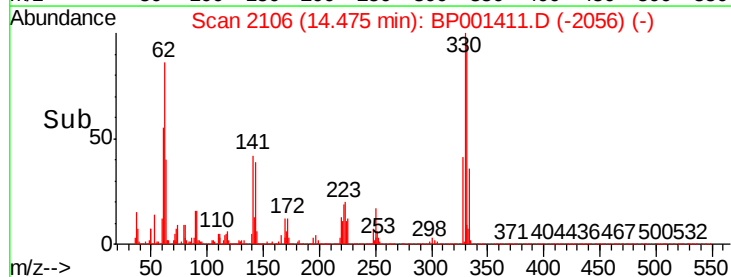
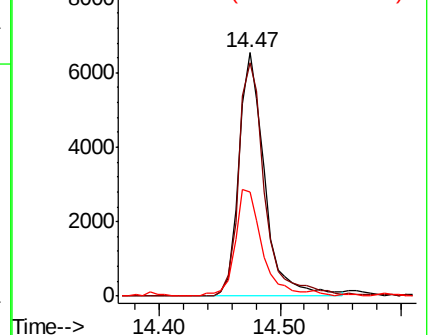
141 45.2 26.8 40.2#

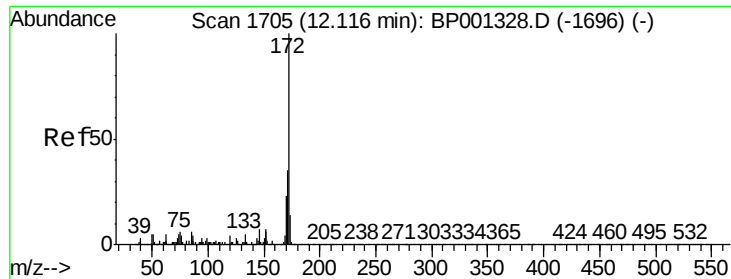


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

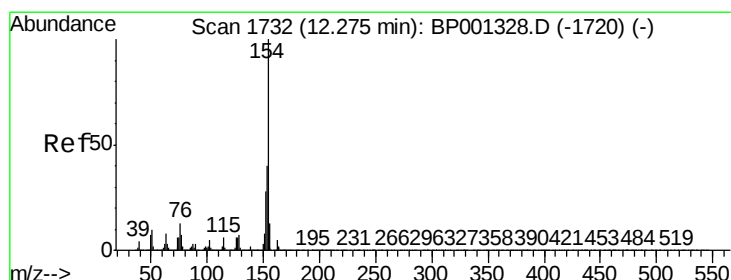
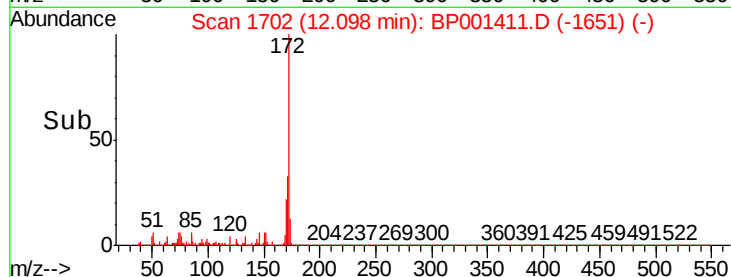
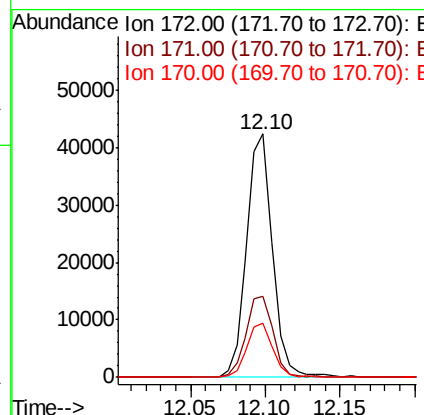
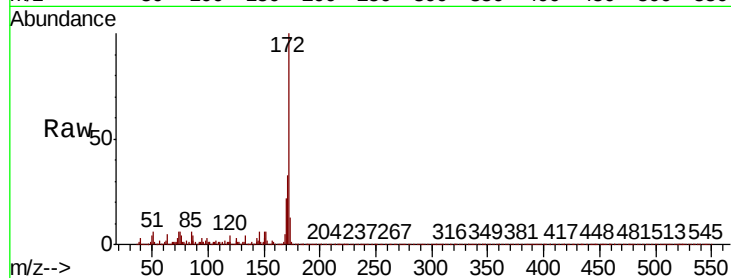




#45
2-Fluorobiphenyl
Concen: 8.964 ng
RT: 12.10 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BP001411.D
Acq: 25 Dec 2019 07:18

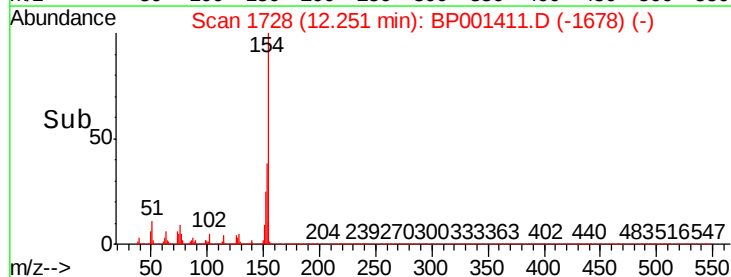
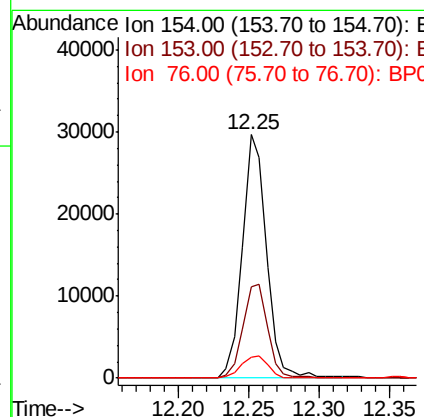
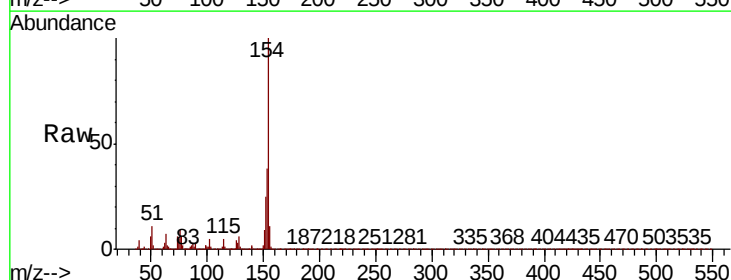
Instrument :
BNA_P
ClientSampleId :

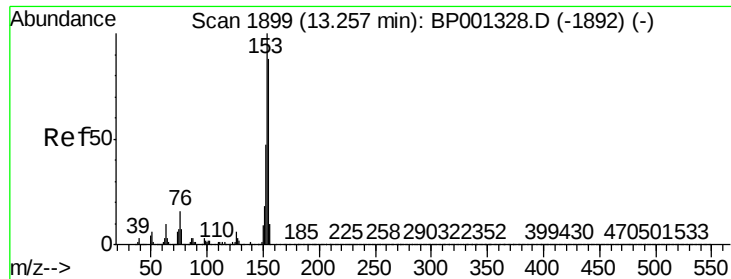
Tot Ion:172 Resp: 50867
Ion Ratio Lower Upper
172 100
171 33.3 27.4 41.0
170 22.2 18.2 27.4



#46
1,1'-Biphenyl
Concen: 5.912 ng
RT: 12.25 min Scan# 1728
Delta R.T. -0.01 min
Lab File: BP001411.D
Acq: 25 Dec 2019 07:18

Tgt Ion:154 Resp: 35502
Ion Ratio Lower Upper
154 100
153 37.7 19.5 59.5
76 8.6 0.0 31.5





#52

Acenaphthene

Concen: 7.147 ng

RT: 13.23 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BP001411.D

Acq: 25 Dec 2019 07:18

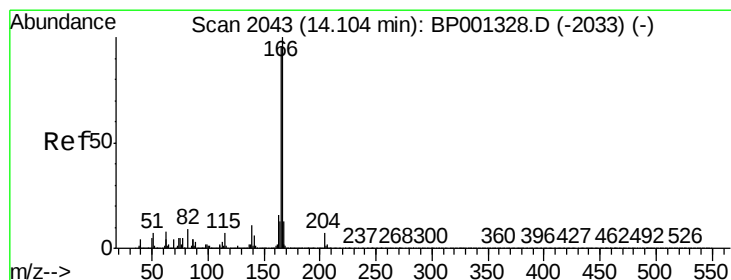
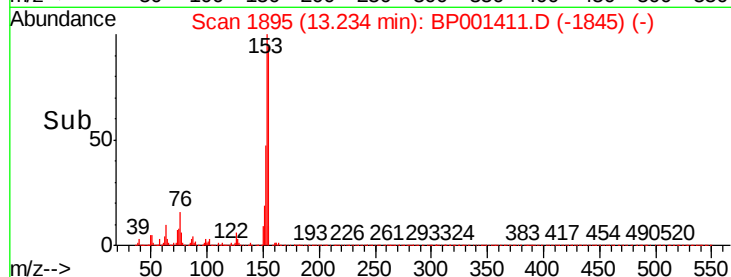
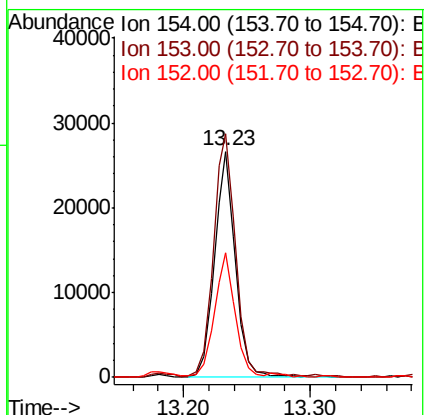
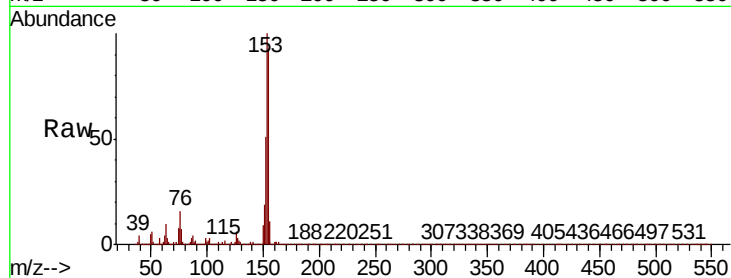
Instrument :

BNA_P

ClientSampleId :

Tot Ion:154 Resp: 30558

Ion	Ratio	Lower	Upper
154	100		
153	107.8	90.1	135.1
152	55.2	41.8	62.6



#58

Fluorene

Concen: 2.665 ng

RT: 14.08 min Scan# 2039

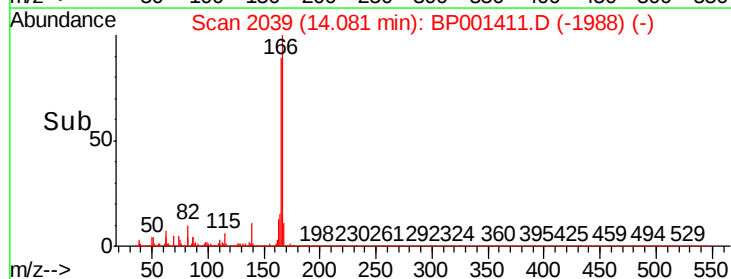
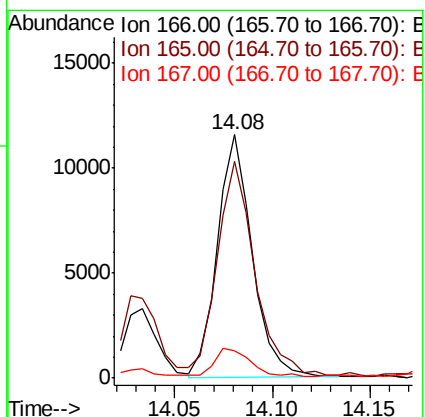
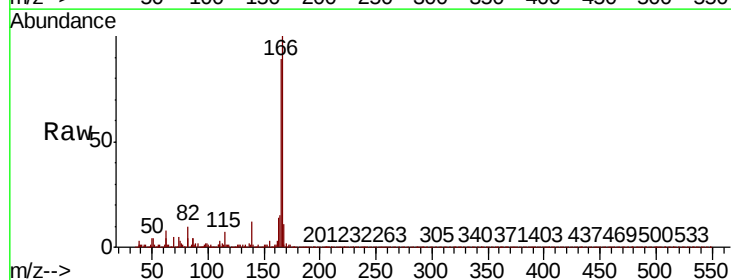
Delta R.T. -0.00 min

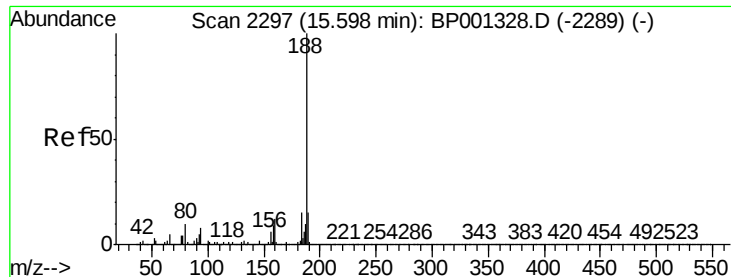
Lab File: BP001411.D

Acq: 25 Dec 2019 07:18

Tgt Ion:166 Resp: 14282

Ion	Ratio	Lower	Upper
166	100		
165	89.0	76.6	114.8
167	11.3	11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. -0.00 min

Lab File: BP001411.D

Acq: 25 Dec 2019 07:18

Instrument :

BNA_P

ClientSampleId :

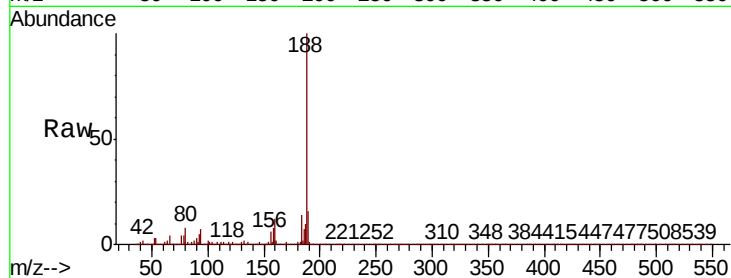
Tot Ion:188 Resp: 132988

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.8

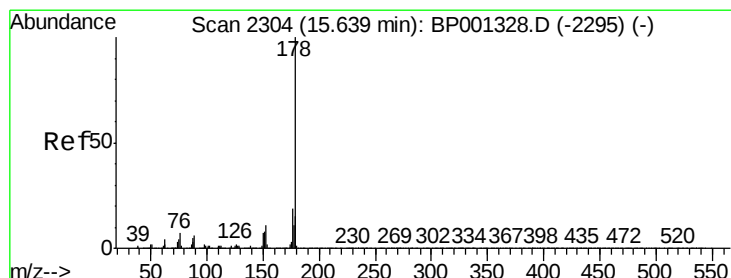
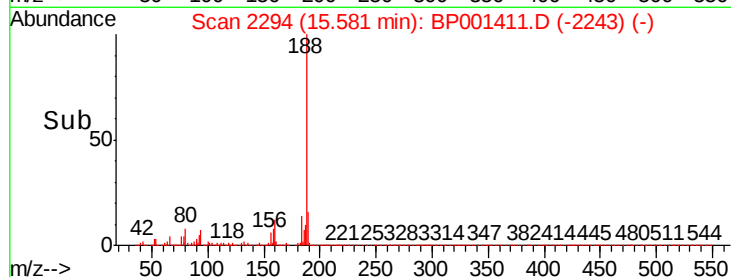
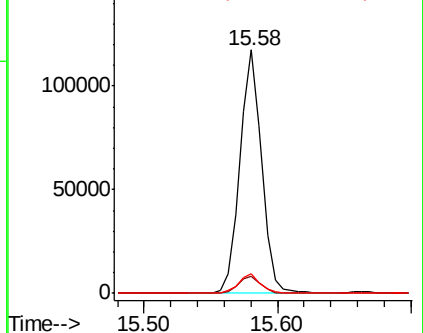
80 8.1 5.7 8.5



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: 3.794 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BP001411.D

Acq: 25 Dec 2019 07:18

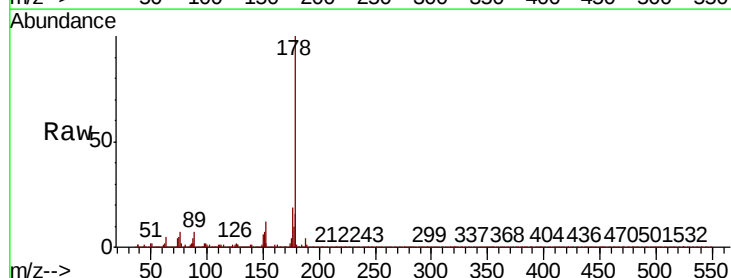
Tgt Ion:178 Resp: 28783

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

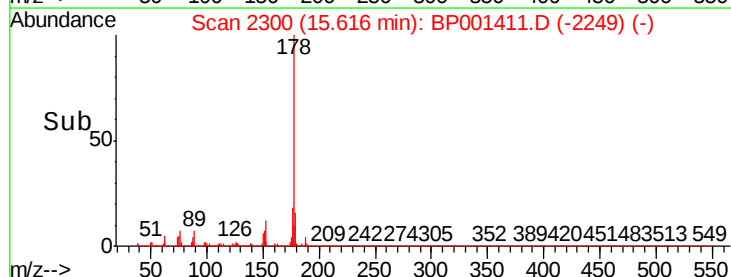
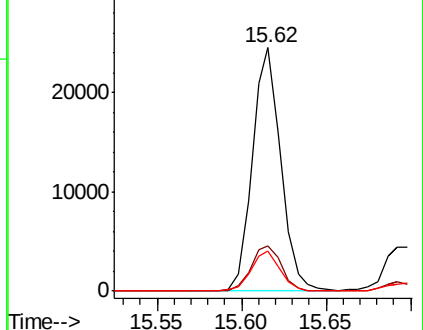
179 16.4 12.2 18.2

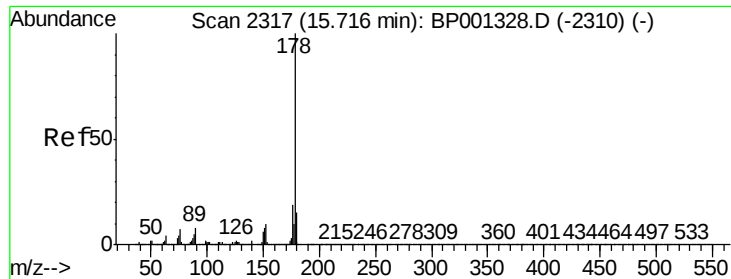


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

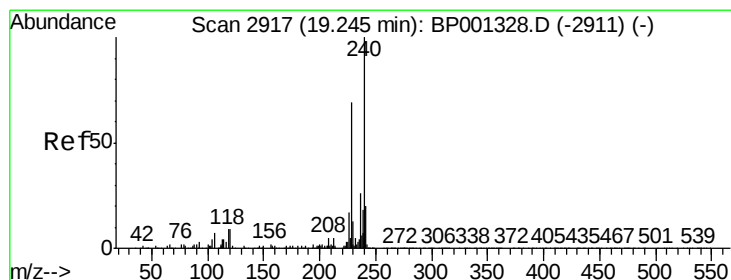
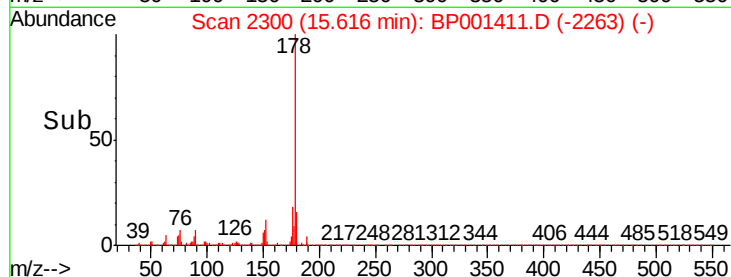
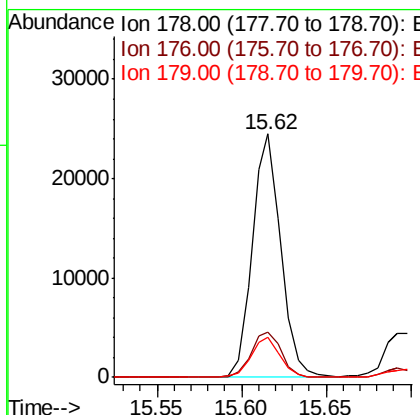
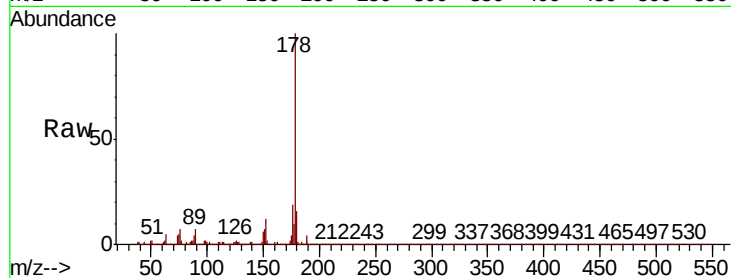




#72
 Anthracene
 Concen: 3.832 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.08 min
 Lab File: BP001411.D
 Acq: 25 Dec 2019 07:18

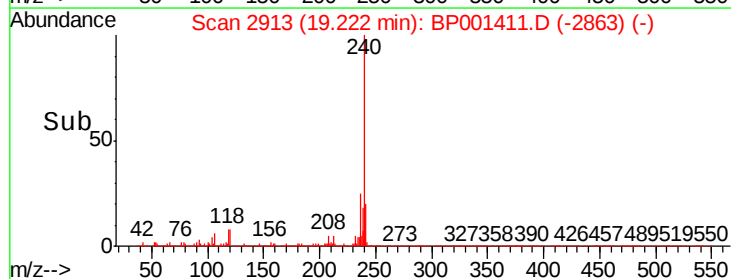
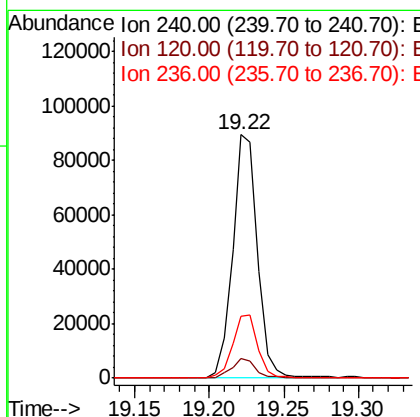
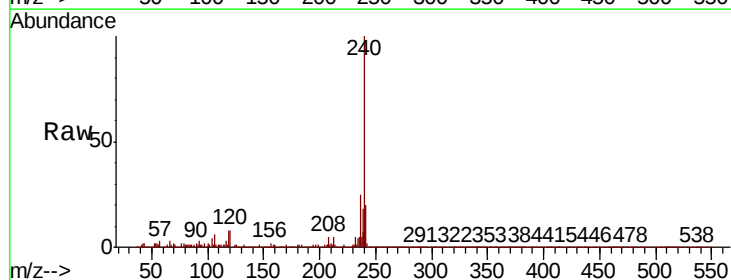
Instrument :
 BNA_P
 ClientSampleId :

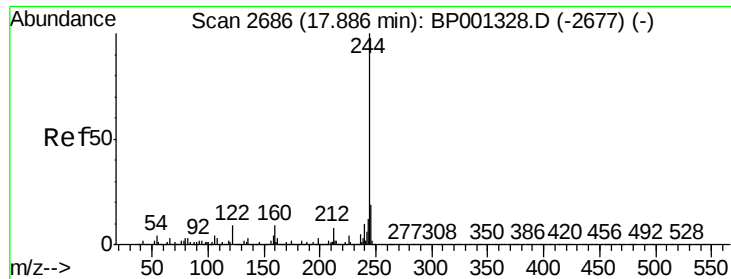
Tot Ion:178 Resp: 28783
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.5 21.7
 179 16.4 11.8 17.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 19.22 min Scan# 2913
 Delta R.T. -0.01 min
 Lab File: BP001411.D
 Acq: 25 Dec 2019 07:18

Tgt Ion:240 Resp: 104111
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.2 9.2
 236 25.4 20.2 30.2

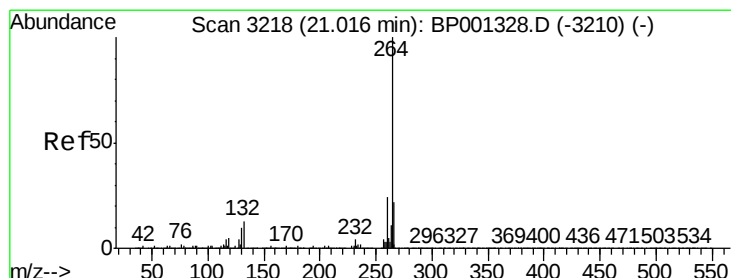
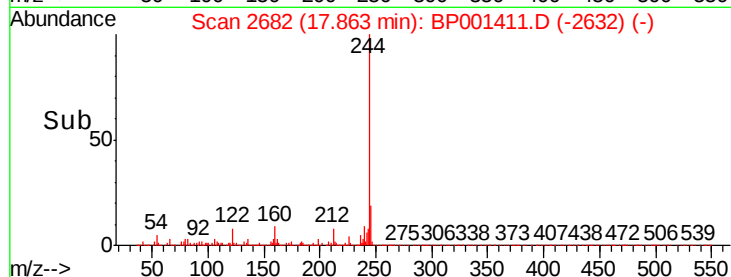
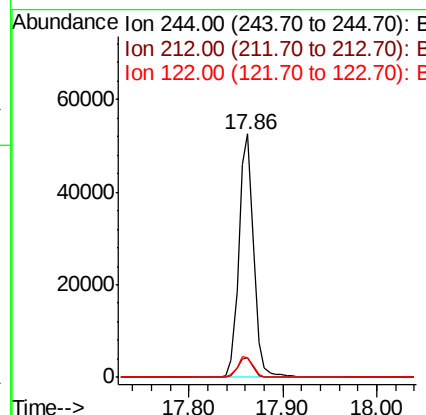
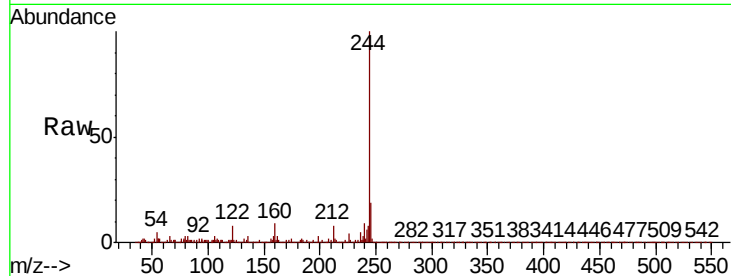




#79
 Terphenyl-d14
 Concen: 9.438 ng
 RT: 17.86 min Scan# 2682
 Delta R.T. -0.01 min
 Lab File: BP001411.D
 Acq: 25 Dec 2019 07:18

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	9.0	6.4	9.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 20.99 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: BP001411.D
 Acq: 25 Dec 2019 07:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	21.0	17.0	25.4

