

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001404.D
 Acq On : 25 Dec 2019 00:04
 Operator : JU
 Sample : K6413-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 25 01:00:23 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

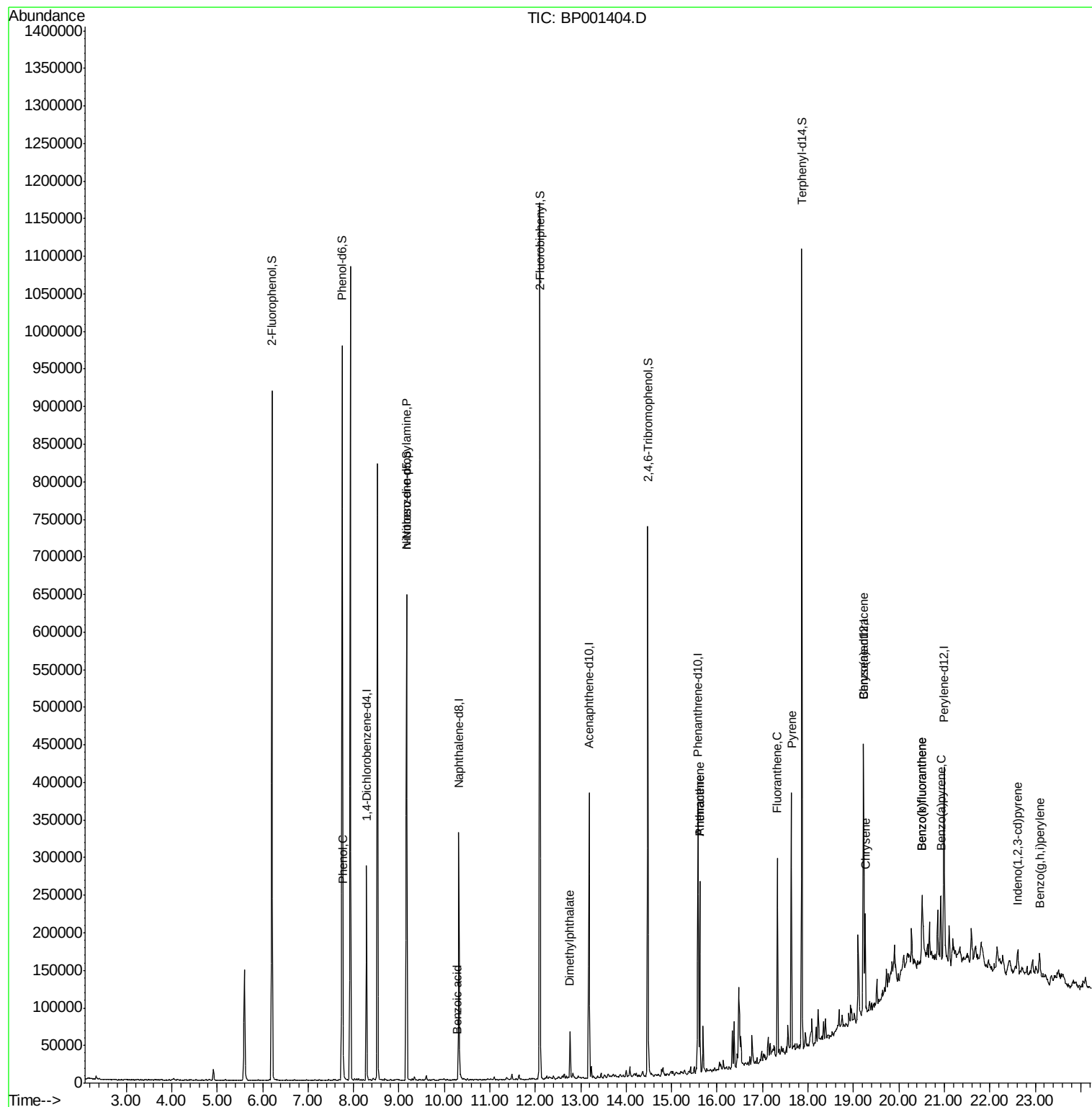
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	46044	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	171468	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	93072	20.00	ng	0.00
64) Phenanthrene-d10	15.58	188	162597	20.00	ng	0.00
76) Chrysene-d12	19.23	240	116591	20.00	ng	0.00
87) Perylene-d12	20.99	264	125111	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	265862	93.32	ng	0.00
7) Phenol-d6	7.75	99	362531	97.52	ng	0.00
23) Nitrobenzene-d5	9.17	82	250396	56.08	ng	0.00
42) 2,4,6-Tribromophenol	14.47	330	92747	79.71	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	435096	59.11	ng	0.00
79) Terphenyl-d14	17.87	244	409053	60.09	ng	0.00
Target Compounds						
10) Phenol	7.77	94	12646	2.977	ng	Qvalue # 78
19) n-Nitroso-di-n-propylamine	9.17	70	38303	14.514	ng	# 77
32) Benzoic acid	10.28	122	10	5.028	ng	96
50) Dimethylphthalate	12.77	163	28165	3.689	ng	98
71) Phenanthrene	15.62	178	108155	11.659	ng	99
72) Anthracene	15.62	178	108155	11.777	ng	99
75) Fluoranthene	17.33	202	119597	11.530	ng	99
78) Pyrene	17.63	202	159435	17.612	ng	99
81) Benzo(a)anthracene	19.22	228	66477	7.825	ng	99
83) Chrysene	19.26	228	54845	6.688	ng	97
86) Indeno(1,2,3-cd)pyrene	22.62	276	25288	2.855	ng	98
88) Benzo(b)fluoranthene	20.51	252	70065	8.527	ng	# 94
89) Benzo(k)fluoranthene	20.51	252	70065	8.952	ng	# 94
90) Benzo(a)pyrene	20.92	252	48074	6.423	ng	# 96
92) Benzo(a,h,i)perylene	23.10	276	25928	3.708	ng	# 91

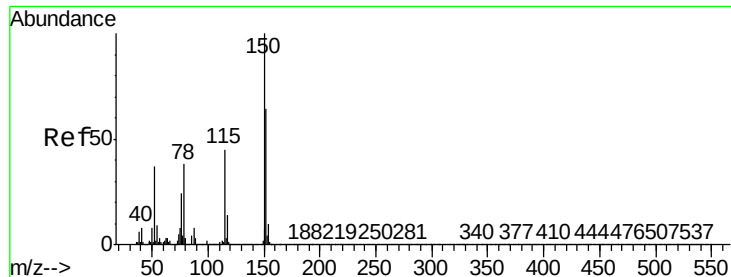
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BP001404.D

Acq: 25 Dec 2019 00:04

Instrument :

BNA_P

ClientSampleId :

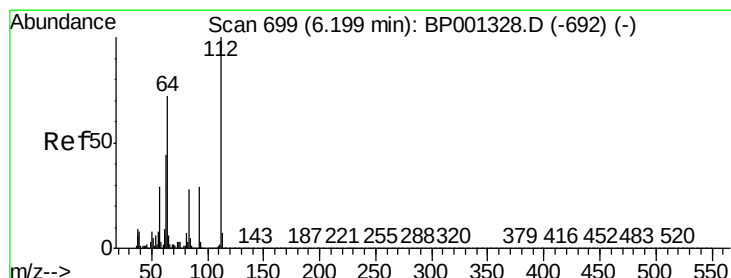
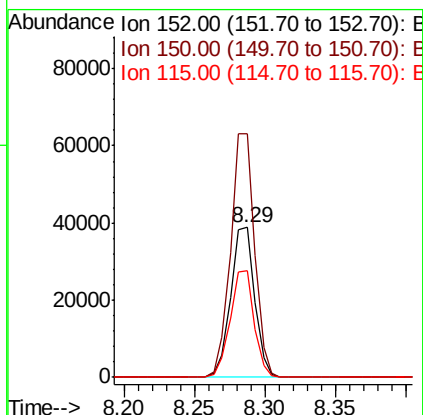
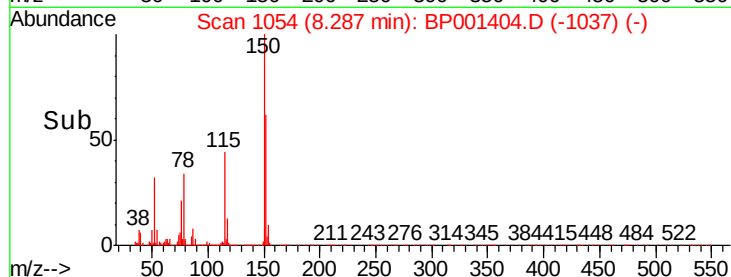
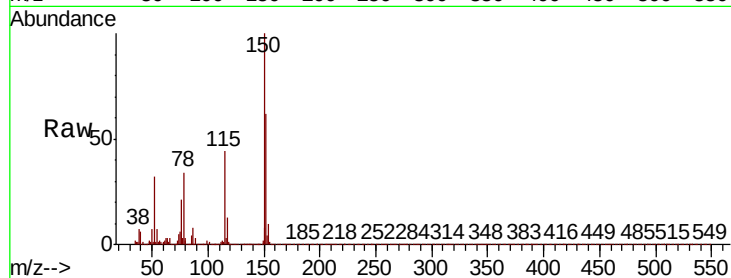
Tot Ion:152 Resp: 46044

Ion Ratio Lower Upper

152 100

150 162.6 127.0 190.6

115 71.3 56.1 84.1



#5

2-Fluorophenol

Concen: 93.320 ng

RT: 6.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

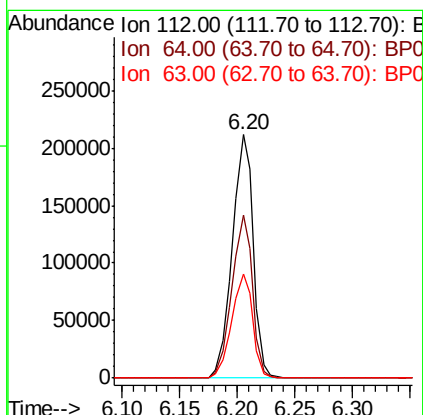
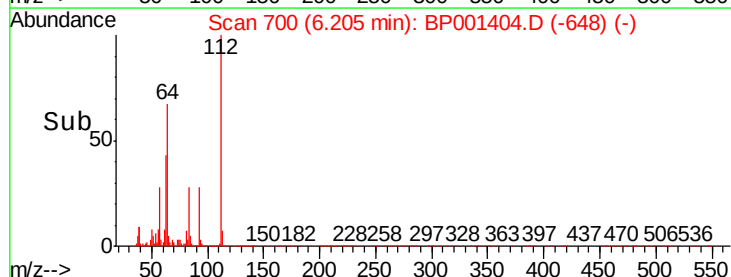
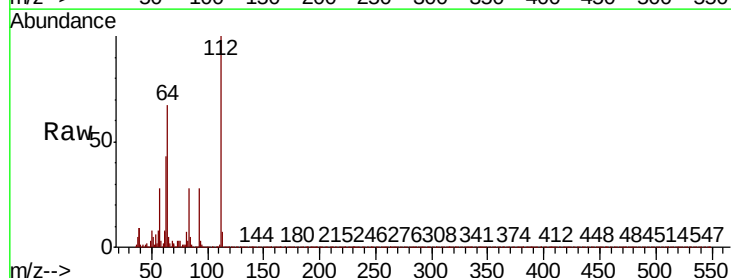
Tgt Ion:112 Resp: 265862

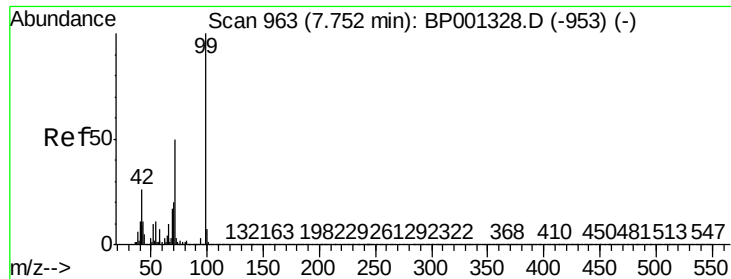
Ion Ratio Lower Upper

112 100

64 66.8 53.9 80.9

63 43.0 33.4 50.0





#7

Phenol-d6

Concen: 97.521 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

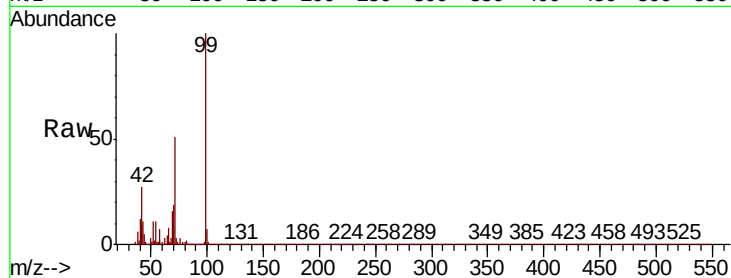
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 362531

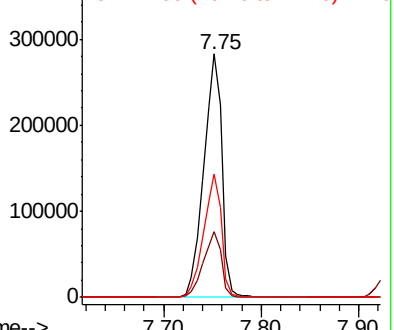
Ion	Ratio	Lower	Upper
99	100		
42	27.2	20.8	31.2
71	50.6	38.2	57.4



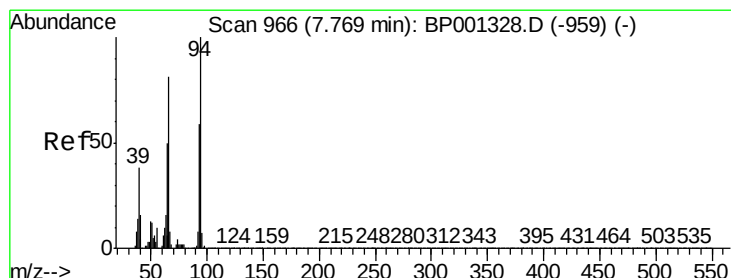
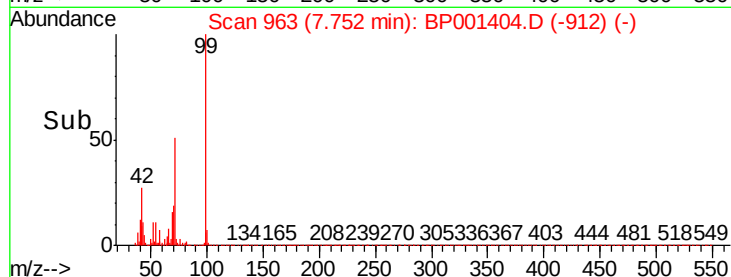
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time-->



#10

Phenol

Concen: 2.977 ng

RT: 7.77 min Scan# 966

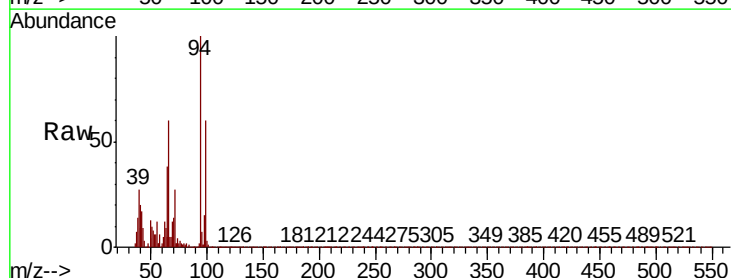
Delta R.T. 0.00 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

Tgt Ion: 94 Resp: 12646

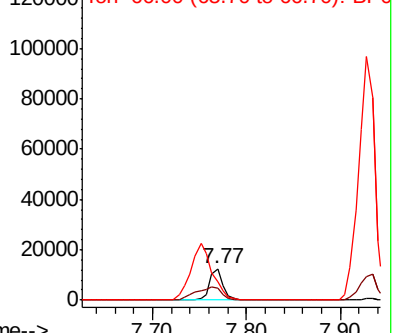
Ion	Ratio	Lower	Upper
94	100		
65	38.1	29.6	69.6
66	59.8	62.3	102.3



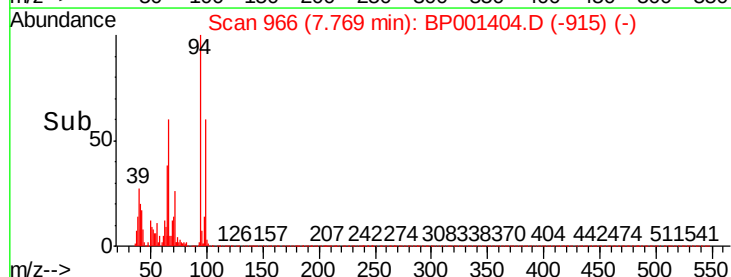
Abundance Ion 94.00 (93.70 to 94.70): BP0

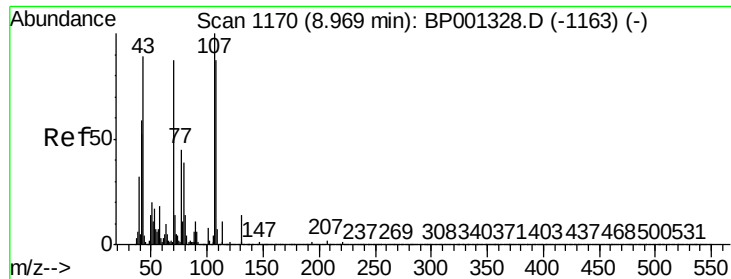
Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0



Time-->

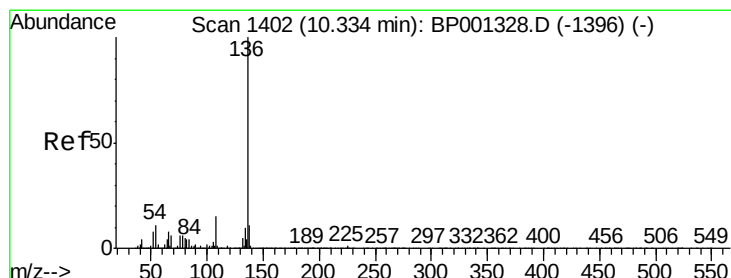
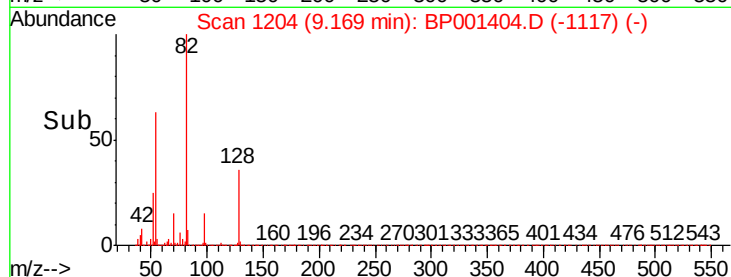
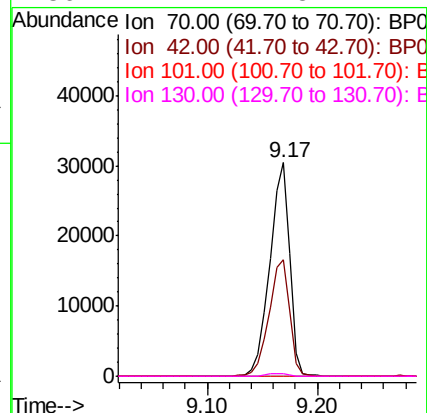
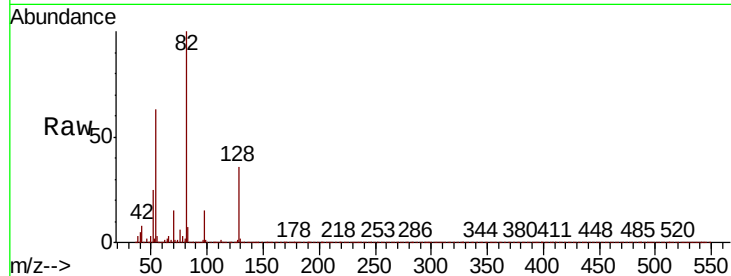




#19
n-Nitroso-di-n-propylamine
Concen: 14.514 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.21 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

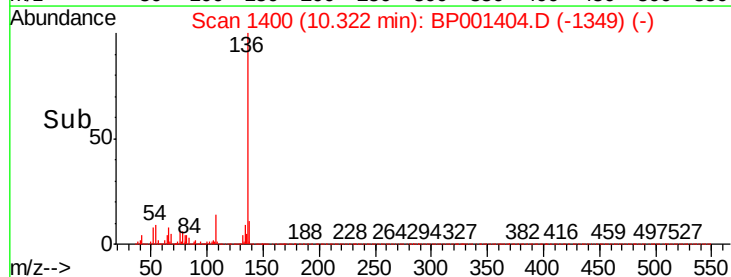
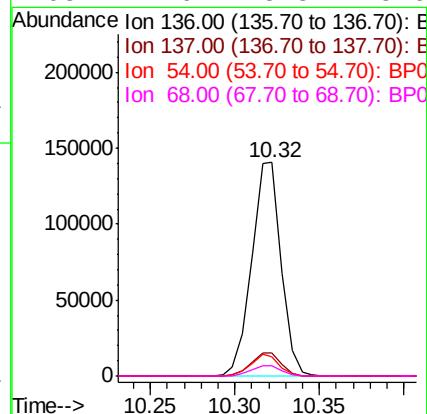
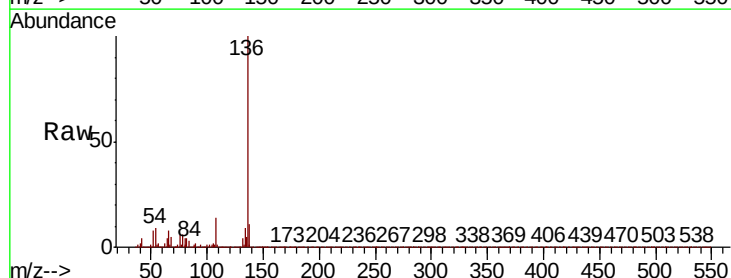
Instrument :
BNA_P
ClientSampleId :

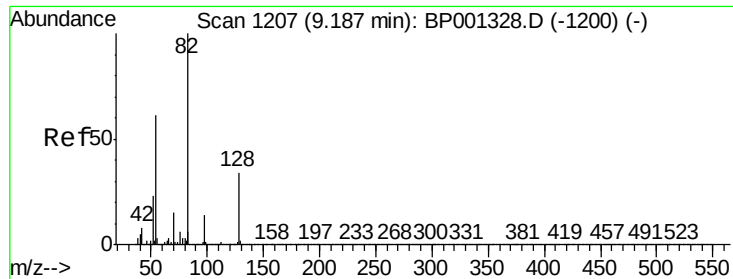
Tot Ion: 70 Resp: 38303
Ion Ratio Lower Upper
70 100
42 54.5 55.8 83.8#
101 0.0 8.2 12.2#
130 1.4 14.5 21.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

Tgt Ion: 136 Resp: 171468
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 9.0 7.3 10.9
68 4.6 3.8 5.6

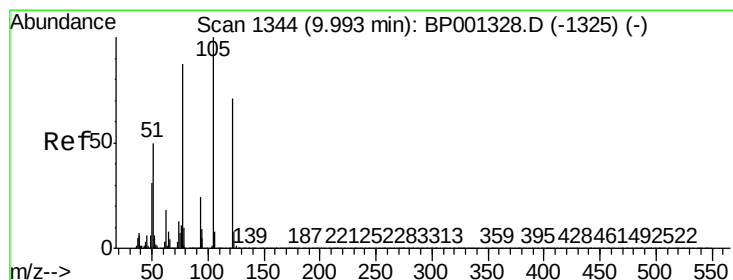
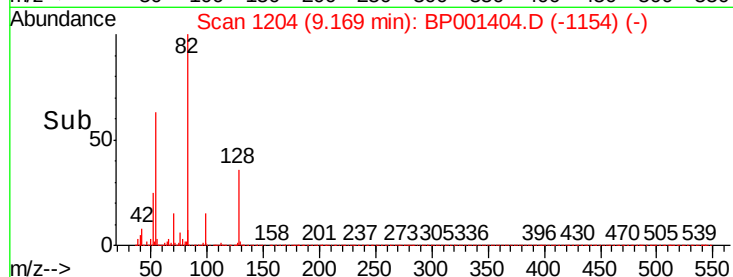
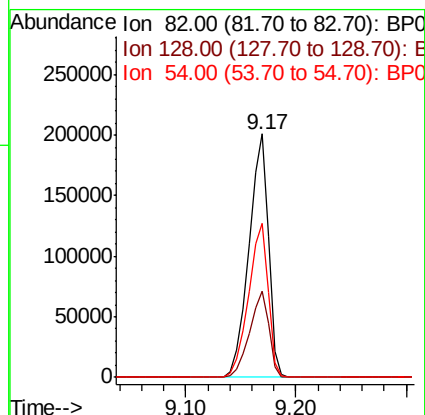
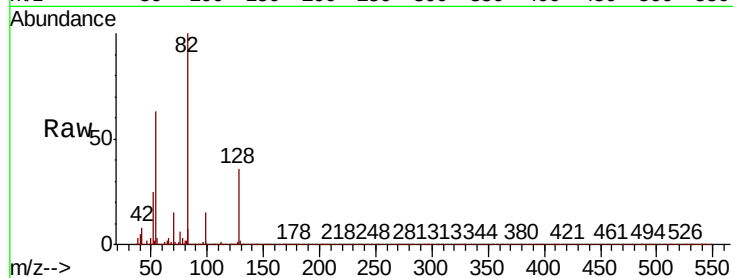




#23
 Nitrobenzene-d5
 Concen: 56.078 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BP001404.D
 Acq: 25 Dec 2019 00:04

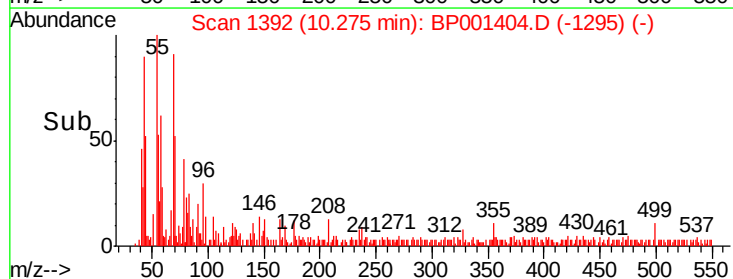
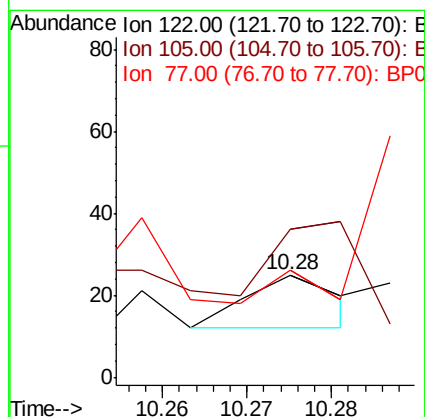
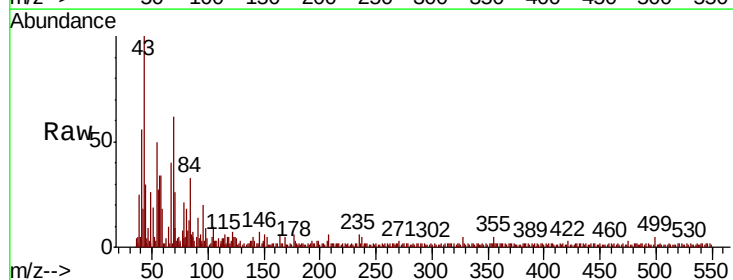
Instrument :
 BNA_P
 ClientSampleID :

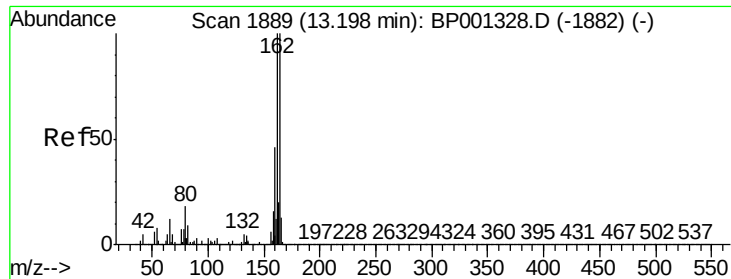
Tot Ion	82	Resp	250396
Ion Ratio	Lower	Upper	
82	100		
128	35.5	27.4	41.0
54	63.2	47.5	71.3



#32
 Benzoic acid
 Concen: 5.028 ng
 RT: 10.28 min Scan# 1392
 Delta R.T. 0.27 min
 Lab File: BP001404.D
 Acq: 25 Dec 2019 00:04

Tgt Ion	122	Resp	10
Ion Ratio	Lower	Upper	
122	100		
105	144.0	117.8	157.8
77	104.0	85.6	125.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.18 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

Instrument :

BNA_P

ClientSampled :

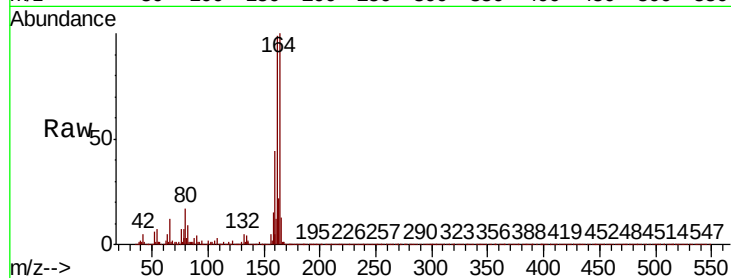
Tot Ion:164 Resp: 93072

Ion Ratio Lower Upper

164 100

162 98.9 78.2 117.4

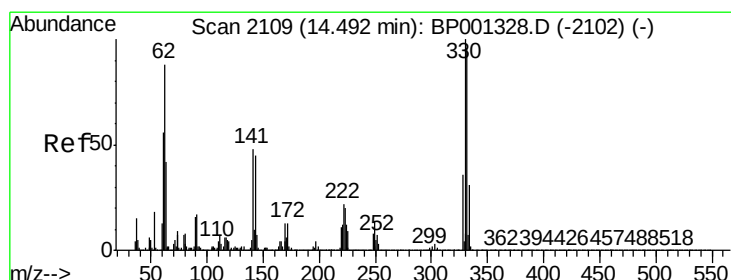
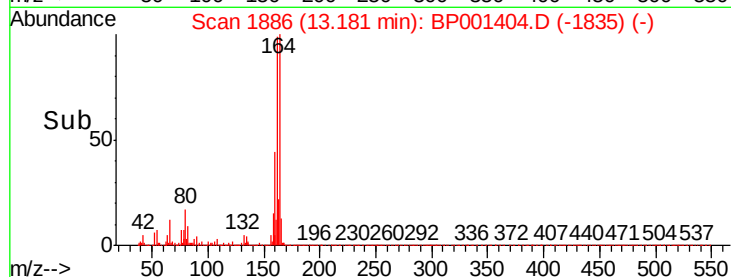
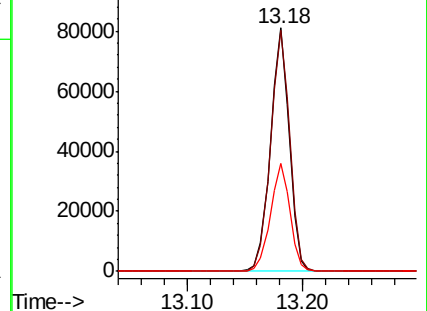
160 44.2 35.1 52.7



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: 79.706 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

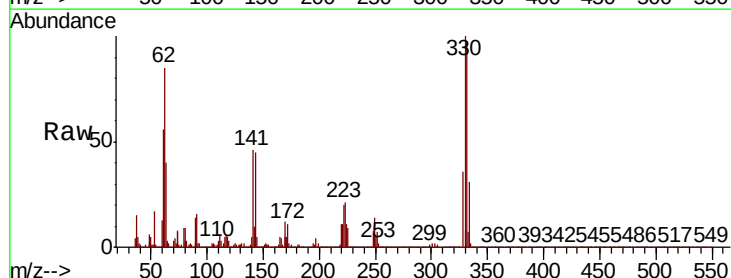
Tgt Ion:330 Resp: 92747

Ion Ratio Lower Upper

330 100

332 98.1 78.3 117.5

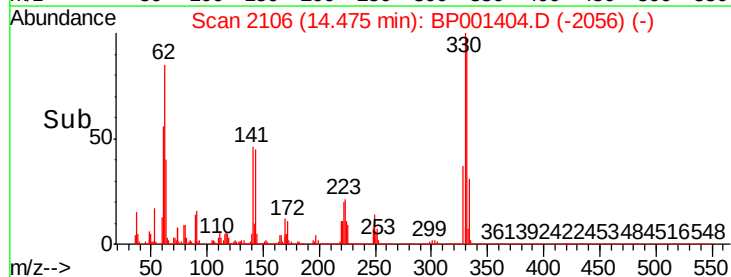
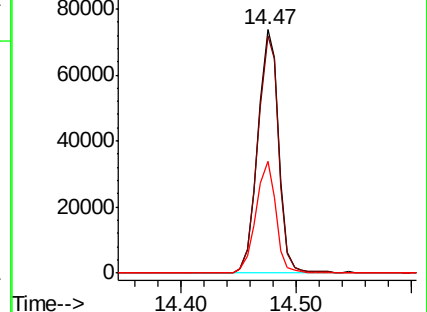
141 44.1 26.8 40.2#

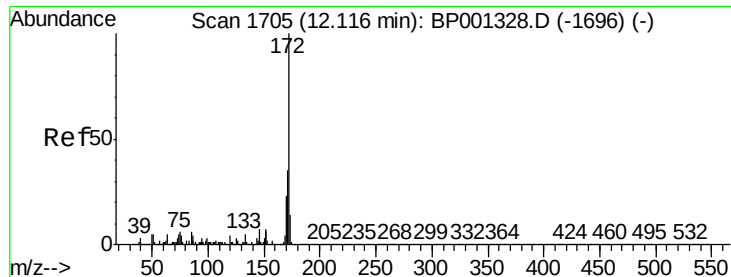


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

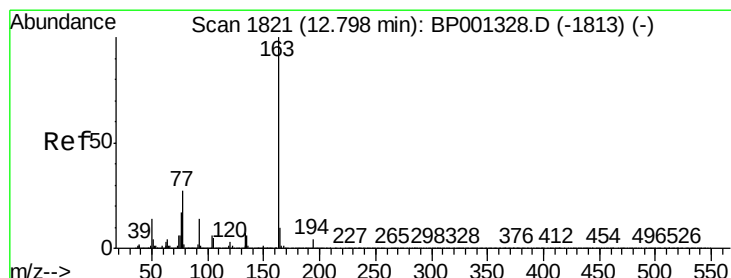
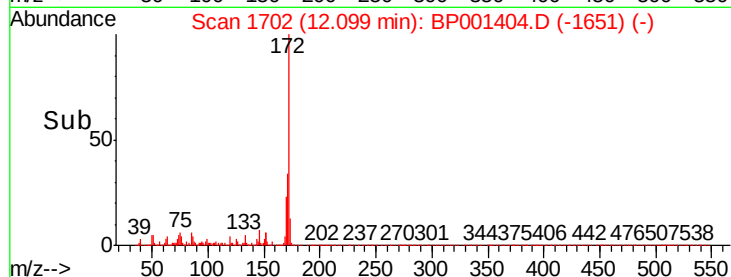
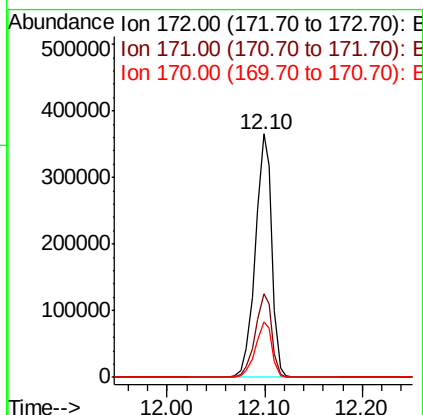
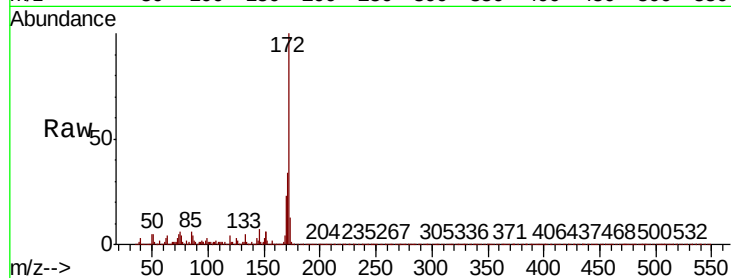




#45
2-Fluorobiphenyl
Concen: 59.113 ng
RT: 12.10 min Scan# 1702
Delta R.T. 0.00 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

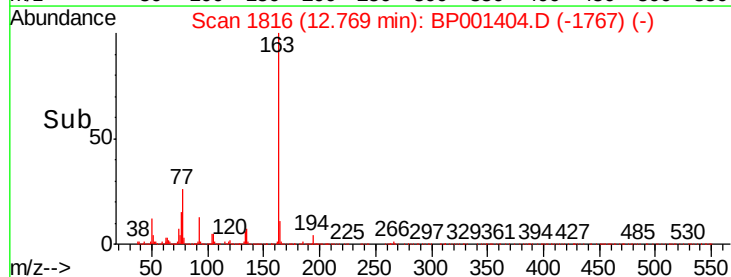
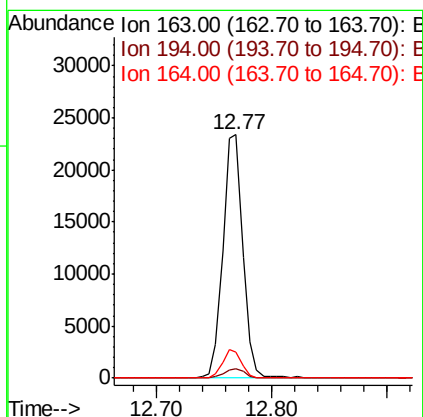
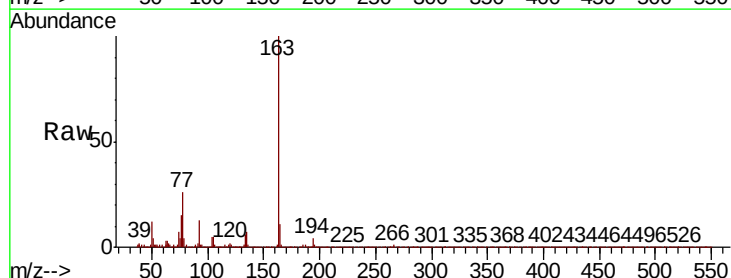
Instrument :
BNA_P
ClientSampled :

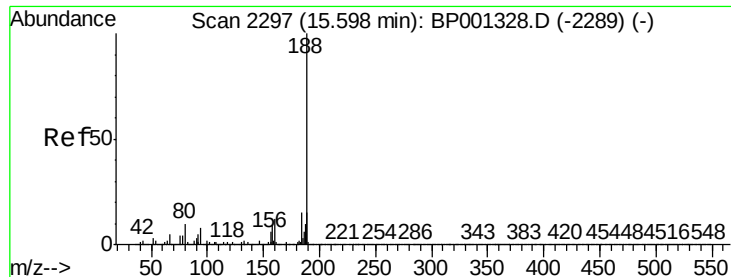
Tot Ion:172 Resp: 435096
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.0
170 22.9 18.2 27.4



#50
Dimethylphthalate
Concen: 3.689 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

Tgt Ion:163 Resp: 28165
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.7 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: BP001404.D

Acq: 25 Dec 2019 00:04

Instrument :

BNA_P

ClientSampleId :

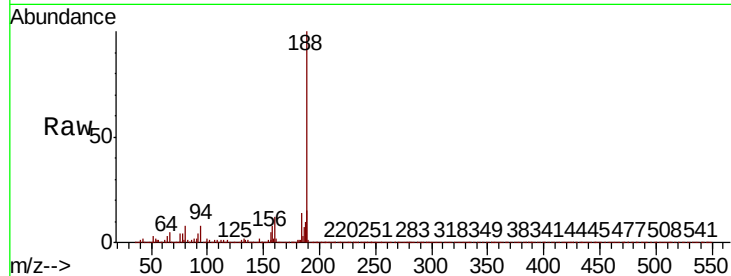
Tot Ion:188 Resp: 162597

Ion Ratio Lower Upper

188 100

94 7.6 5.8 8.8

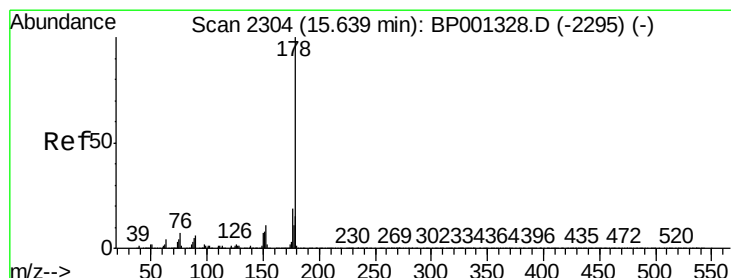
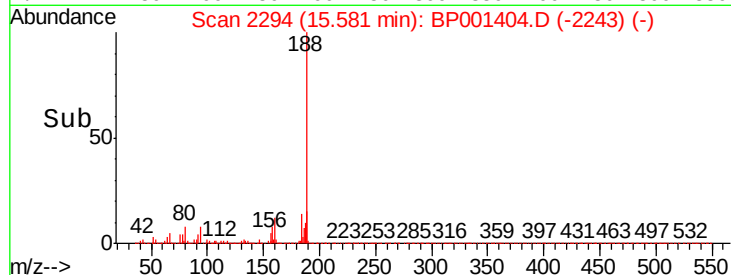
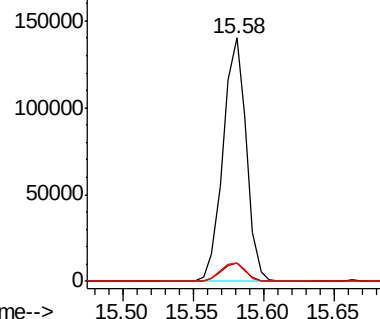
80 7.6 5.7 8.5



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: 11.659 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

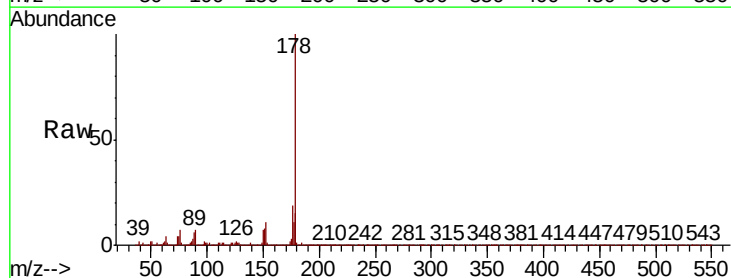
Tgt Ion:178 Resp: 108155

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

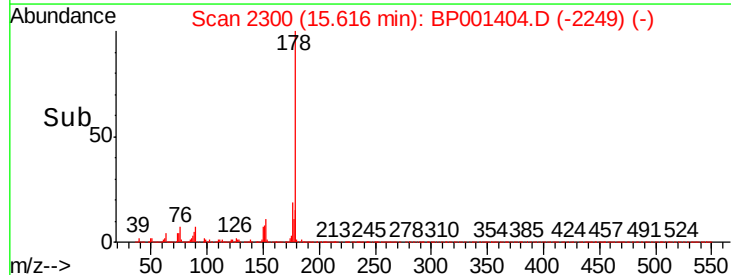
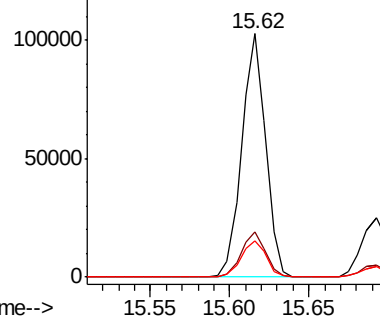
179 14.7 12.2 18.2

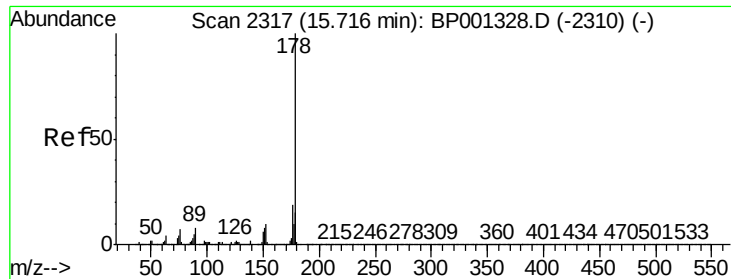


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

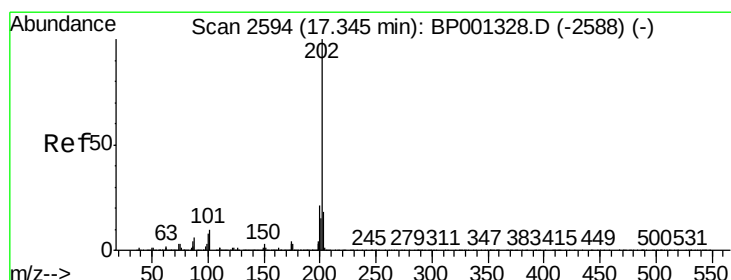
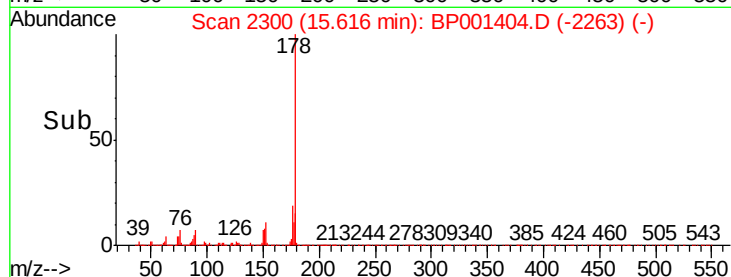
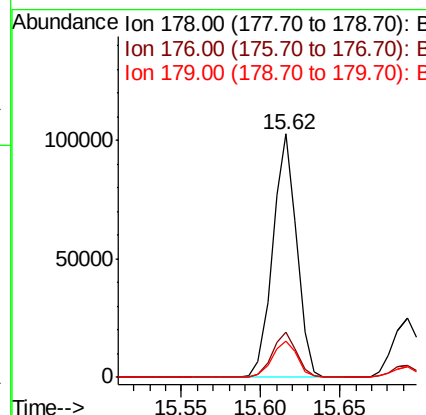
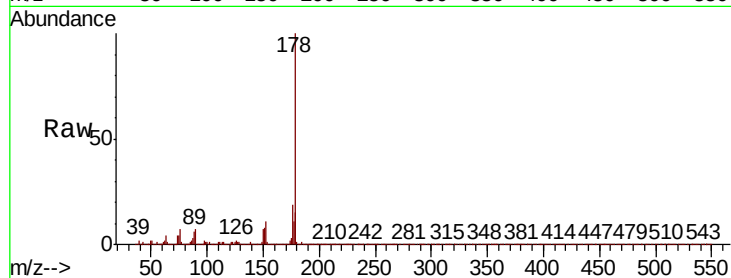




#72
 Anthracene
 Concen: 11.777 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.08 min
 Lab File: BP001404.D
 Acq: 25 Dec 2019 00:04

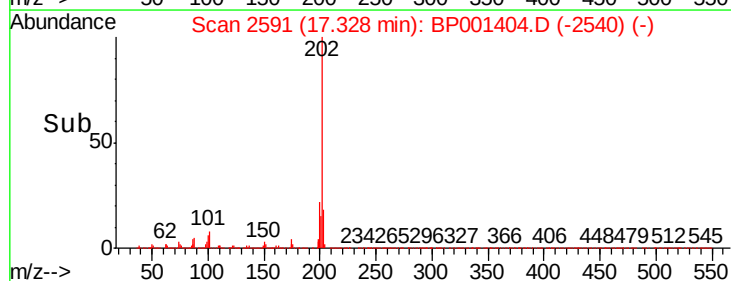
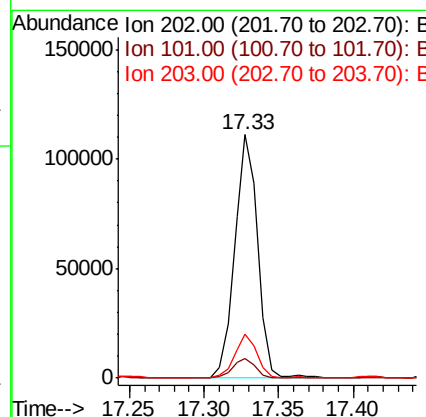
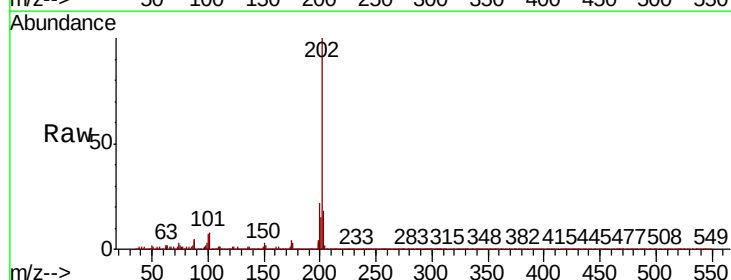
Instrument :
 BNA_P
 ClientSampleId :

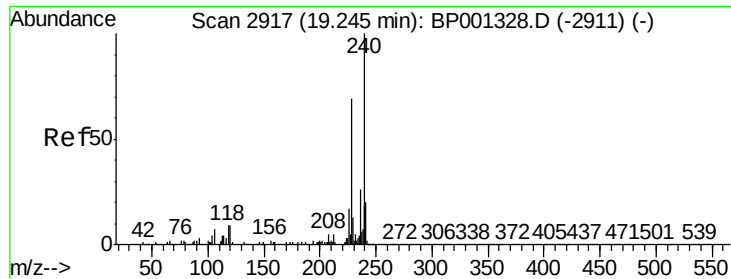
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.5	21.7
179	14.7	11.8	17.8



#75
 Fluoranthene
 Concen: 11.530 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. 0.00 min
 Lab File: BP001404.D
 Acq: 25 Dec 2019 00:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.7
203	17.9	0.0	37.4

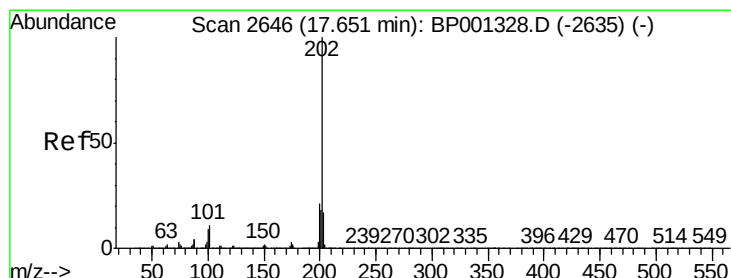
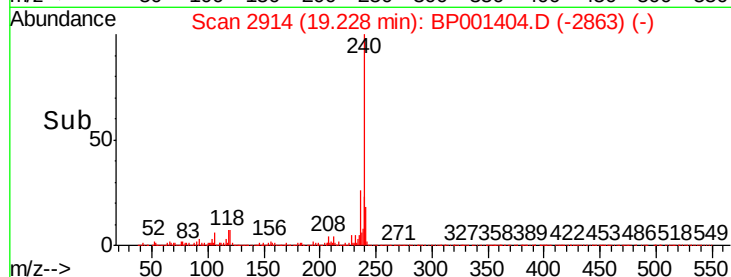
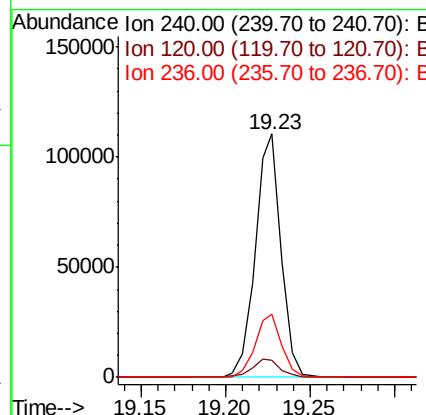
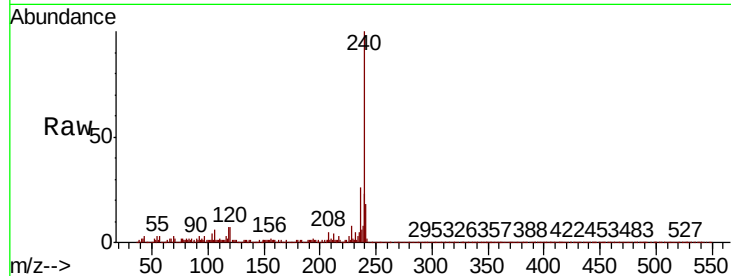




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.23 min Scan# 2914
Delta R.T. 0.00 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

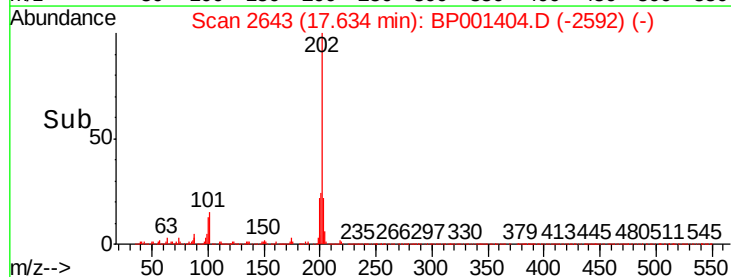
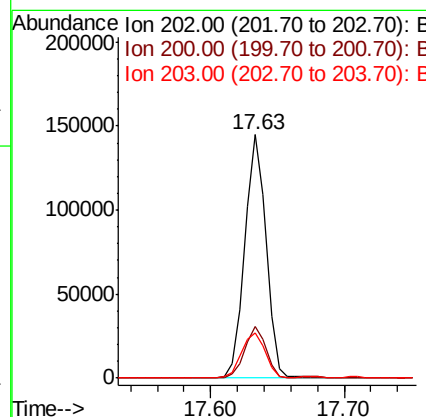
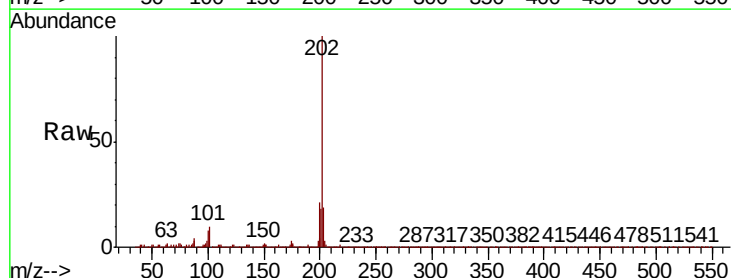
Instrument :
BNA_P
ClientSampled :

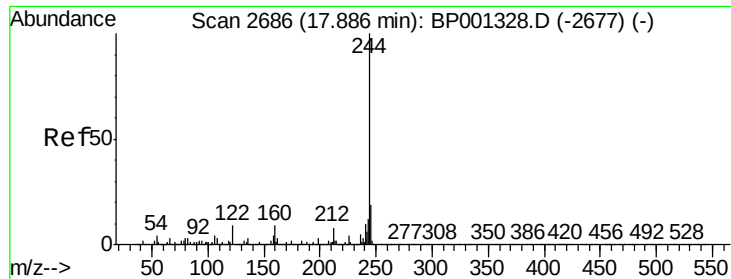
Tot Ion:240 Resp: 116591
Ion Ratio Lower Upper
240 100
120 7.1 6.2 9.2
236 25.8 20.2 30.2



#78
Pyrene
Concen: 17.612 ng
RT: 17.63 min Scan# 2643
Delta R.T. 0.00 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

Tgt Ion:202 Resp: 159435
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 18.7 14.3 21.5





#79

Terphenyl-d14

Concen: 60.091 ng

RT: 17.87 min Scan# 2683

Delta R.T. 0.00 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

Instrument :

BNA_P

ClientSampled :

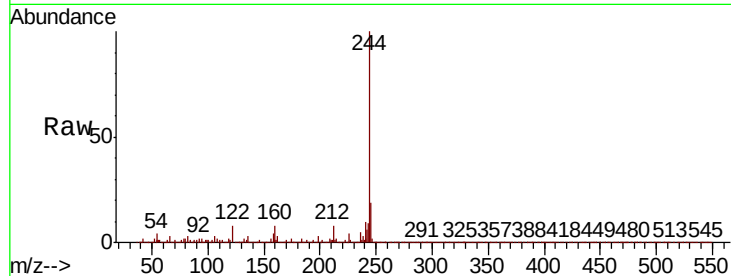
Tot Ion:244 Resp: 409053

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

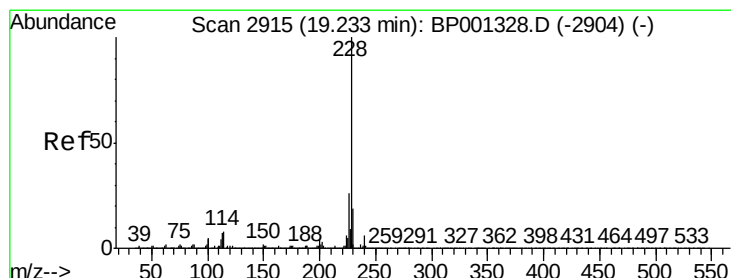
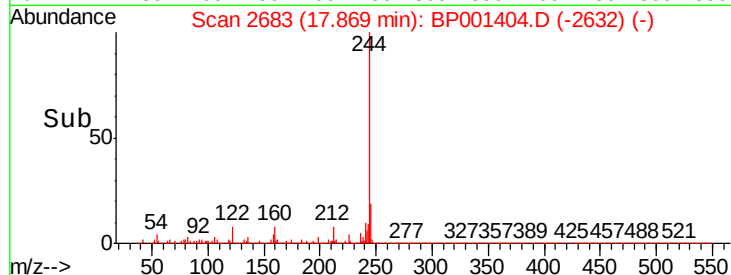
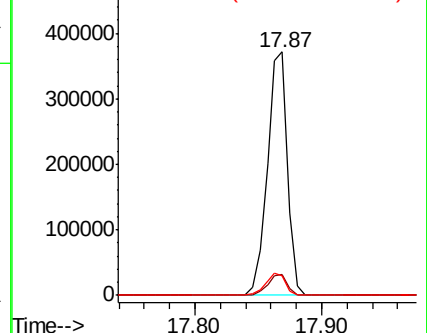
122 7.9 6.4 9.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.825 ng

RT: 19.22 min Scan# 2912

Delta R.T. 0.00 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

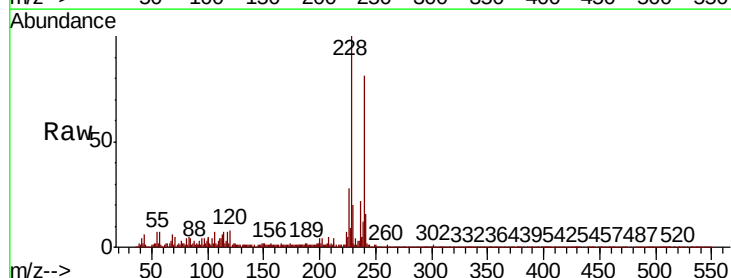
Tgt Ion:228 Resp: 66477

Ion Ratio Lower Upper

228 100

226 27.5 21.4 32.2

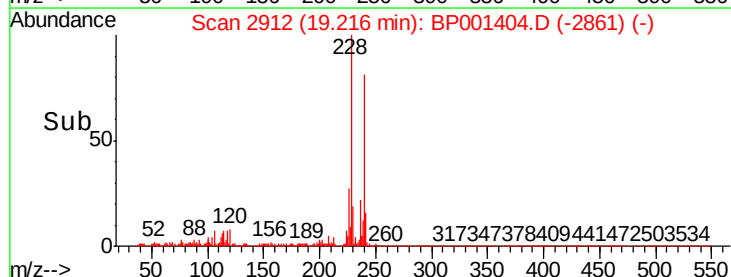
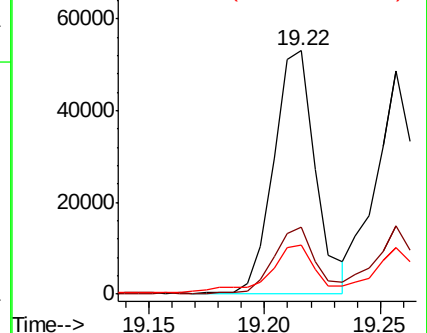
229 20.1 15.7 23.5

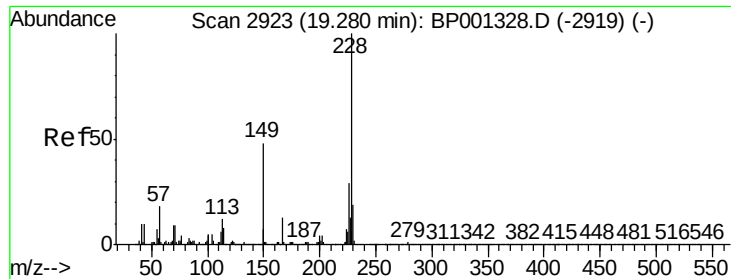


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.688 ng

RT: 19.26 min Scan# 2919

Delta R.T. -0.01 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

Instrument :

BNA_P

ClientSampleId :

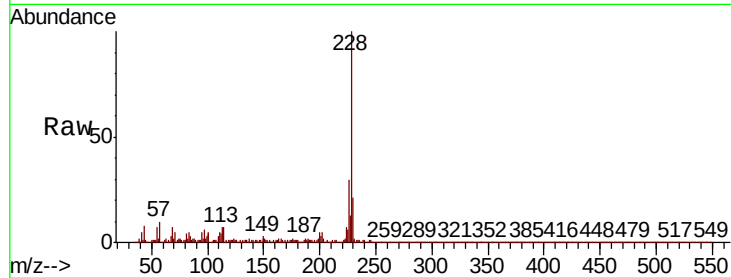
Tot Ion:228 Resp: 54845

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

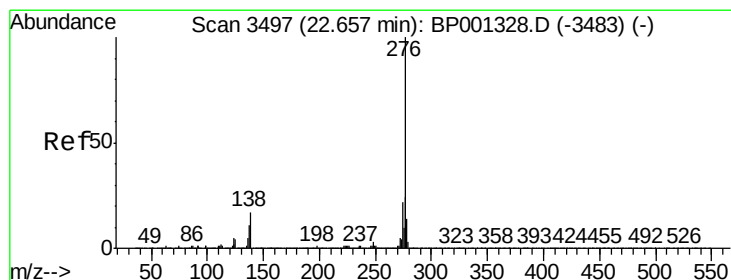
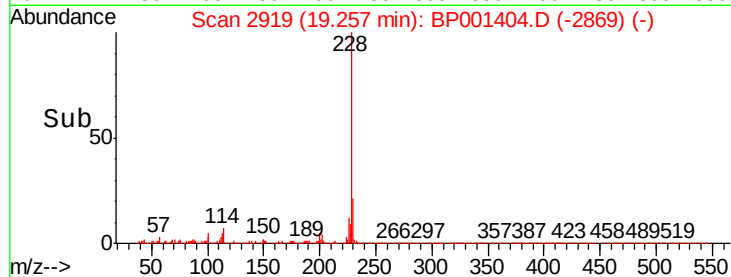
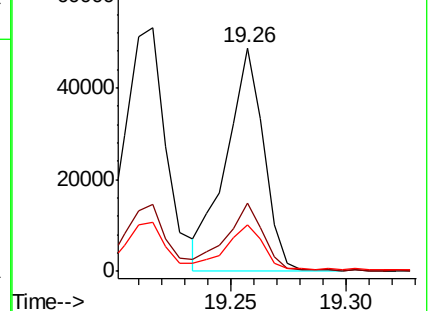
229 20.9 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.855 ng

RT: 22.62 min Scan# 3490

Delta R.T. -0.01 min

Lab File: BP001404.D

Acq: 25 Dec 2019 00:04

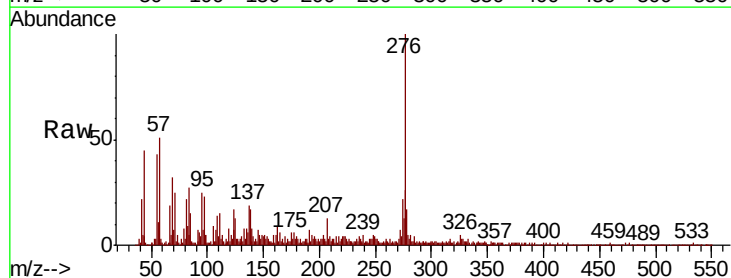
Tgt Ion:276 Resp: 25288

Ion Ratio Lower Upper

276 100

138 14.6 12.8 19.2

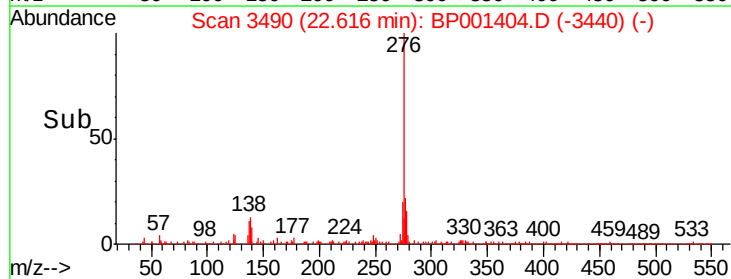
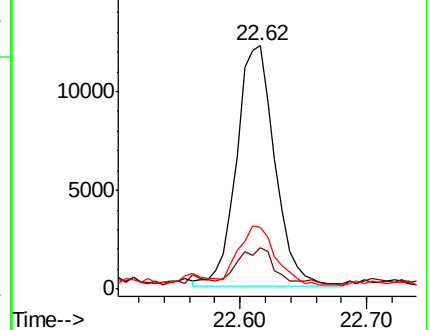
277 24.4 19.9 29.9

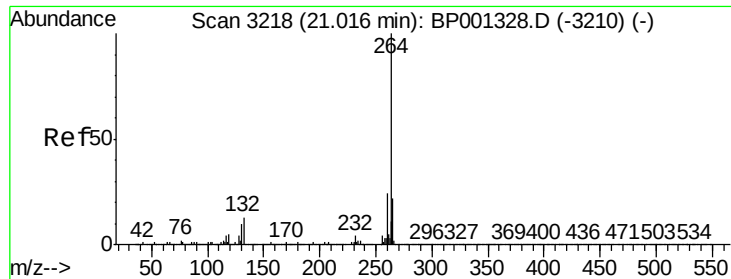


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



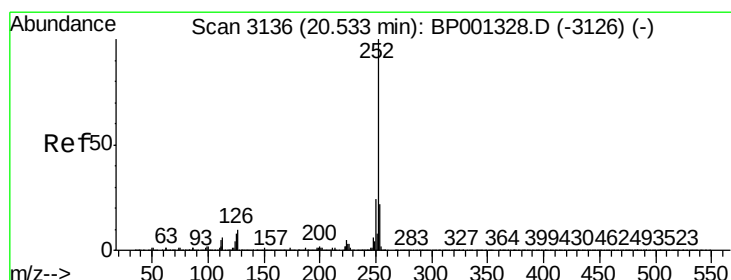
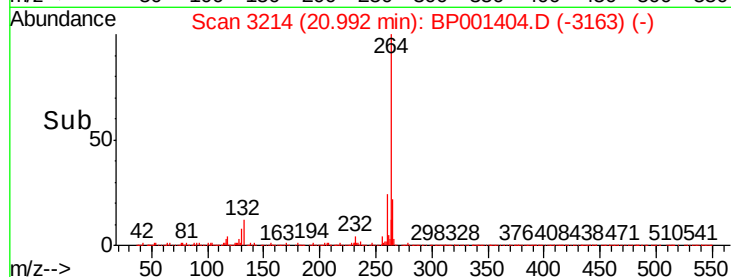
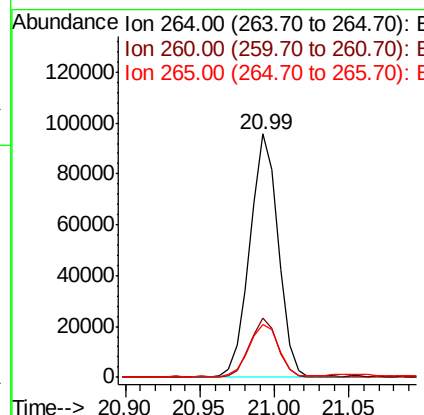
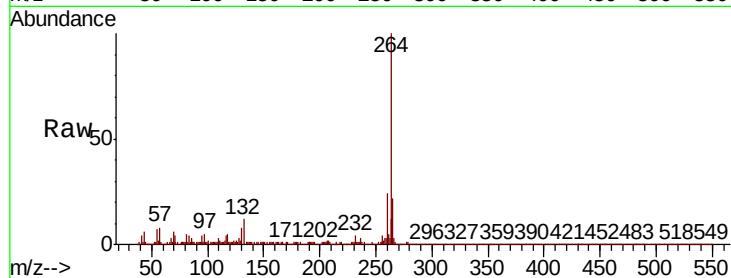


#87
Pervlene-d12
Concen: 20.000 ng
RT: 20.99 min Scan# 3214
Delta R.T. 0.00 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

Instrument :
BNA_P
ClientSampleId :

Tot Ion:264 Resp: 125111

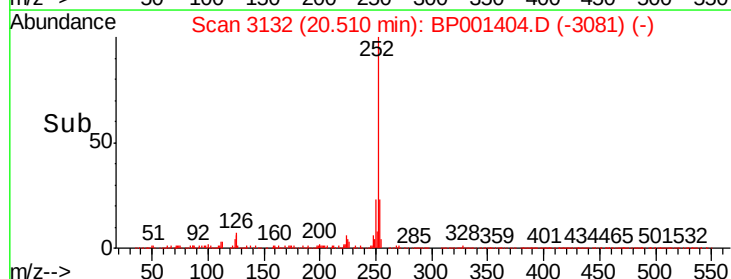
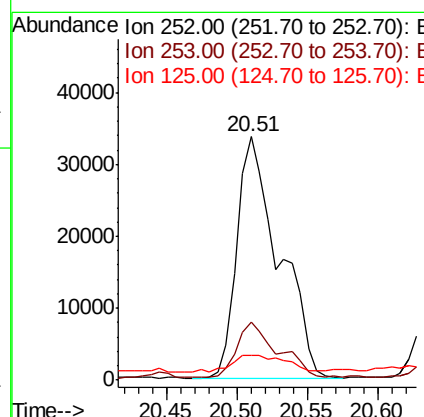
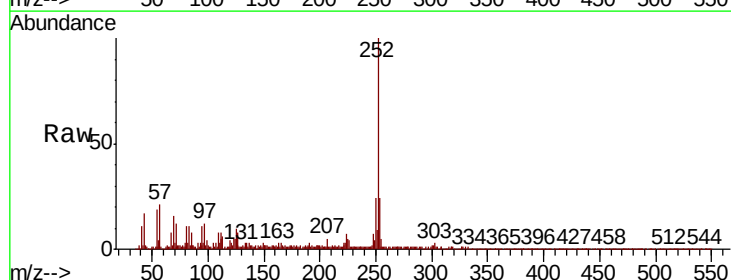
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.0	17.0	25.4

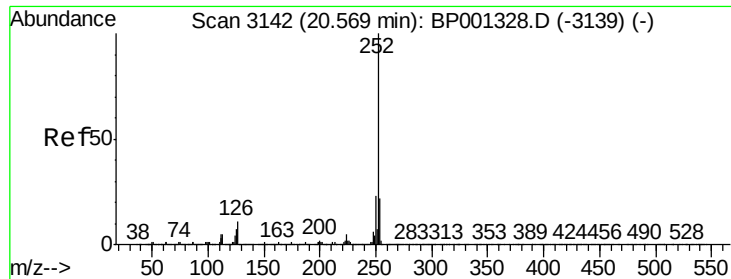


#88
Benzo(b)fluoranthene
Concen: 8.527 ng
RT: 20.51 min Scan# 3132
Delta R.T. 0.00 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

Tgt Ion:252 Resp: 70065

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	10.2	5.6	8.4

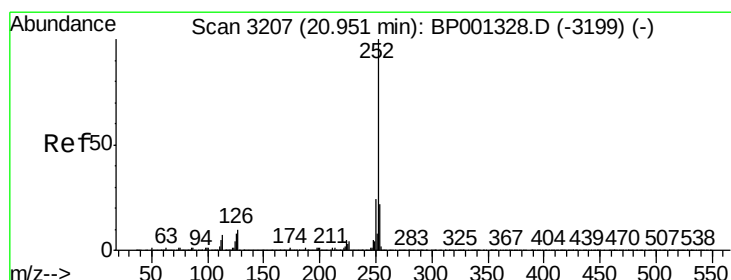
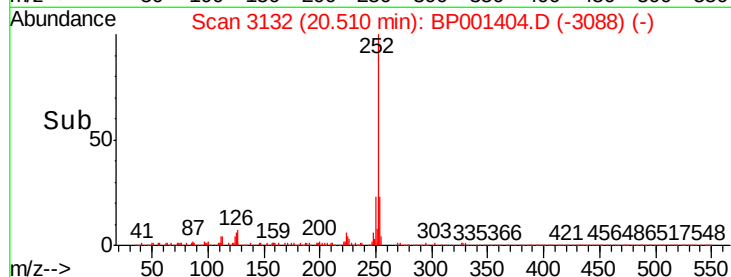
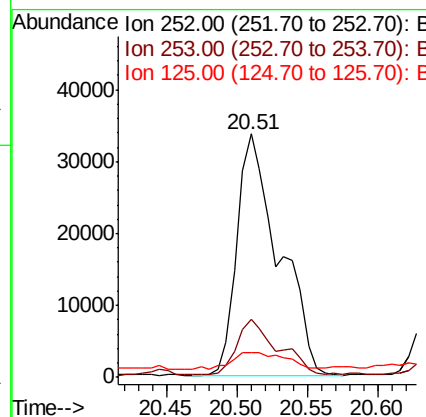
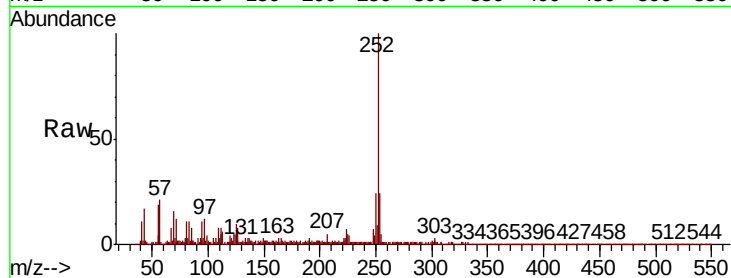




#89
Benzo(k)fluoranthene
Concen: 8.952 ng
RT: 20.51 min Scan# 3132
Delta R.T. -0.04 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

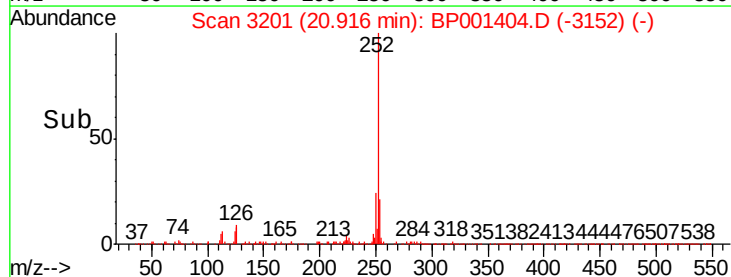
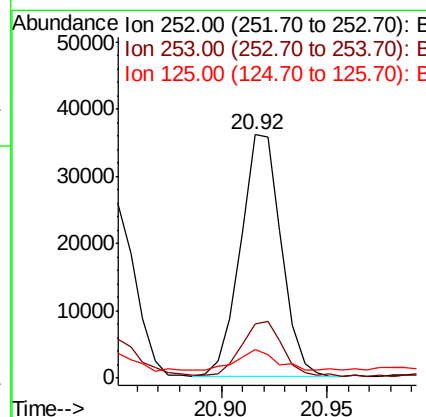
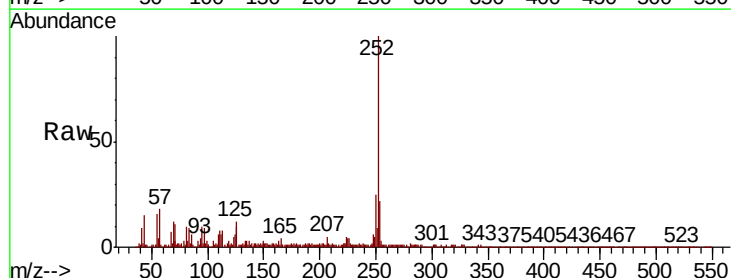
Instrument :
BNA_P
ClientSampleId :

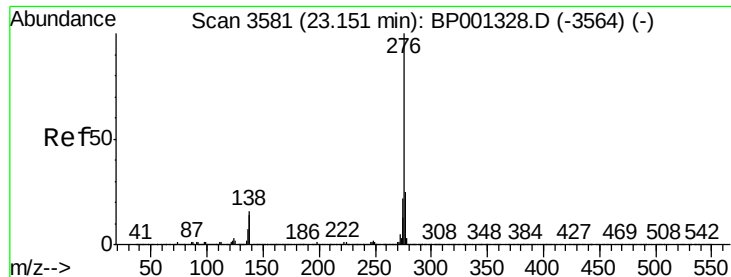
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	10.2	4.5	6.7#



#90
Benzo(a)pyrene
Concen: 6.423 ng
RT: 20.92 min Scan# 3201
Delta R.T. -0.01 min
Lab File: BP001404.D
Acq: 25 Dec 2019 00:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	11.7	5.2	7.8#

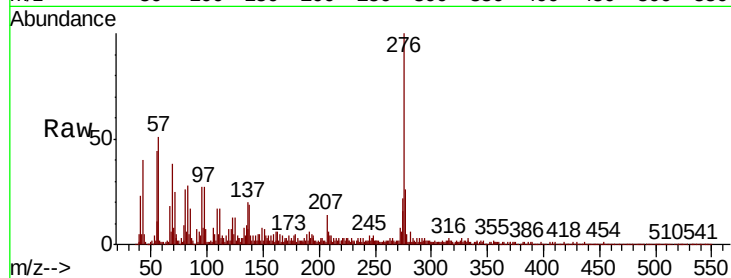




#92
 Benzo(a,h,i)perylene
 Concen: 3.708 ng
 RT: 23.10 min Scan# 3572
 Delta R.T. -0.01 min
 Lab File: BP001404.D
 Acq: 25 Dec 2019 00:04

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	27.8
138	18.6	10.5	15.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

