

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001385.D
 Acq On : 24 Dec 2019 14:35
 Operator : JU
 Sample : K6360-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 24 16:12:23 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	8.28	152	50826	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	187621	20.00	ng	0.00
39) Acenaphthene-d10	13.17	164	113492	20.00	ng	0.00
64) Phenanthrene-d10	15.57	188	220071	20.00	ng	0.00
76) Chrysene-d12	19.22	240	149222	20.00	ng	0.00
87) Perylene-d12	20.99	264	140366	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	362299	115.21	ng	0.01
7) Phenol-d6	7.75	99	506289	123.38	ng	0.00
23) Nitrobenzene-d5	9.17	82	348604	71.35	ng	0.00
42) 2,4,6-Tribromophenol	14.47	330	168194	118.54	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	674142	75.11	ng	0.00
79) Terphenyl-d14	17.87	244	786505	90.27	ng	0.00

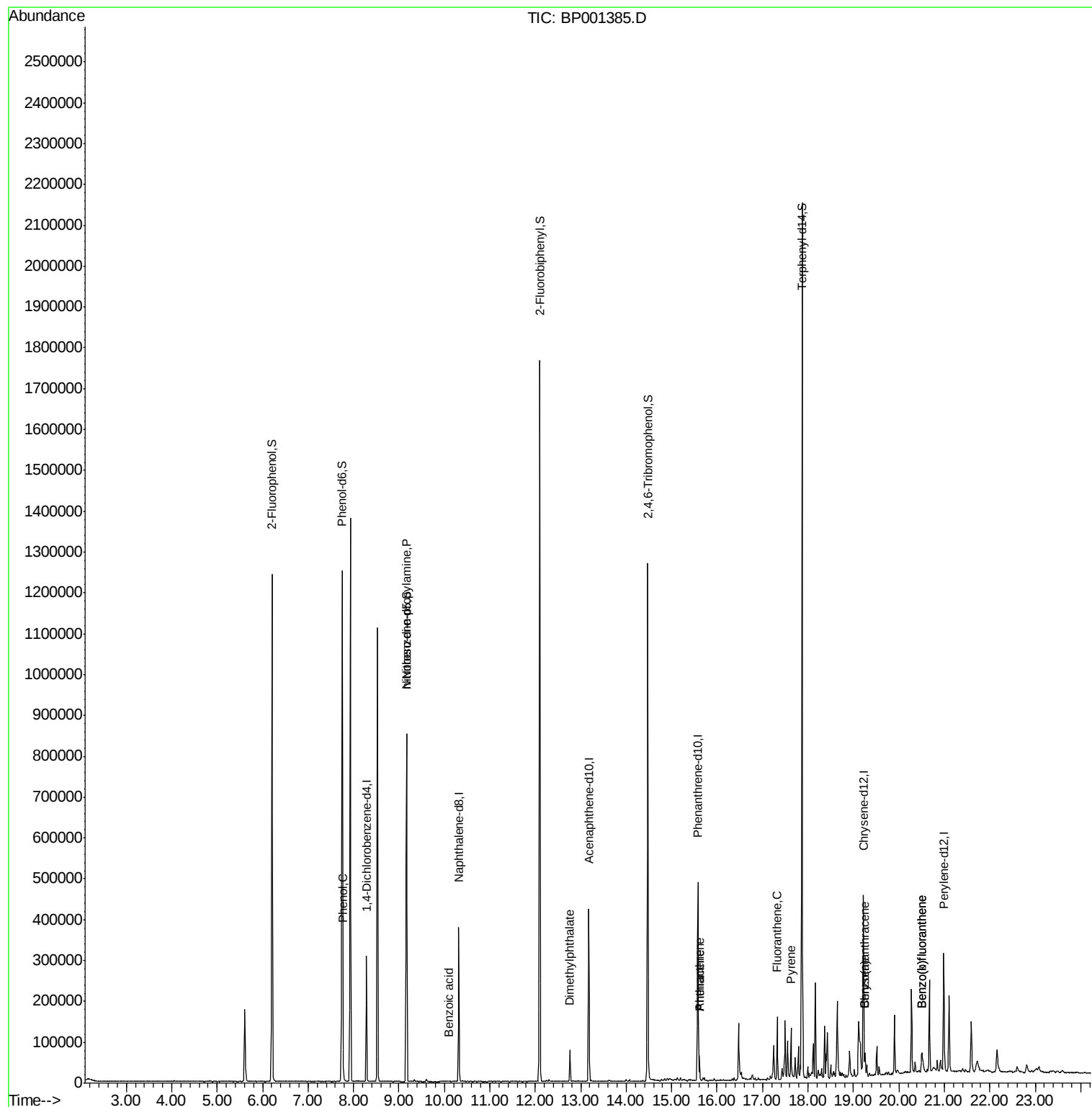
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.77	94	11684	2.492	ng	# 81
19) n-Nitroso-di-n-propylamine	9.17	70	53592	18.397	ng	# 75
32) Benzoic acid	10.10	122	65	5.051	ng	90
50) Dimethylphthalate	12.76	163	33396	3.587	ng	98
71) Phenanthrene	15.61	178	26804	2.135	ng	96
72) Anthracene	15.61	178	26804	2.157	ng	97
75) Fluoranthene	17.32	202	67713	4.823	ng	98
78) Pyrene	17.63	202	51149	4.415	ng	97
81) Benzo(a)anthracene	19.25	228	22692	2.087	ng	94
83) Chrysene	19.25	228	22692	2.162	ng	96
88) Benzo(b)fluoranthene	20.50	252	25780	2.797	ng	# 96
89) Benzo(k)fluoranthene	20.50	252	25780	2.936	ng	# 96

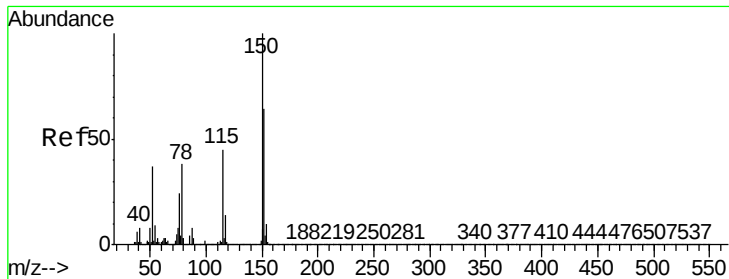
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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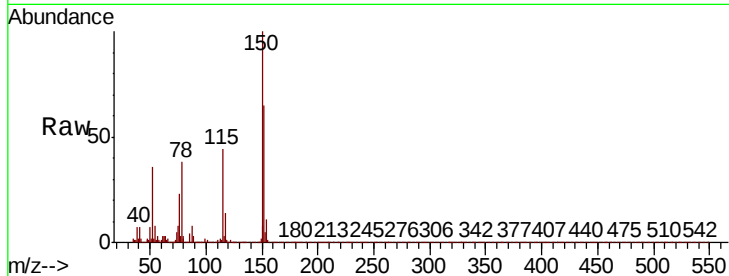




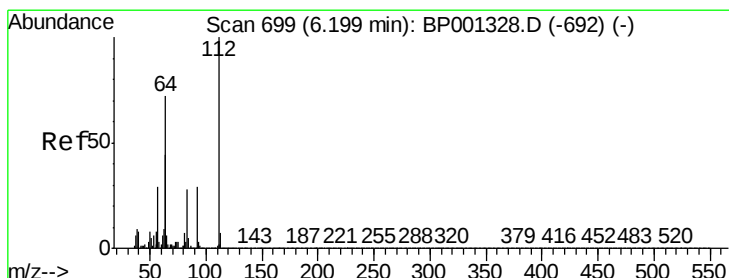
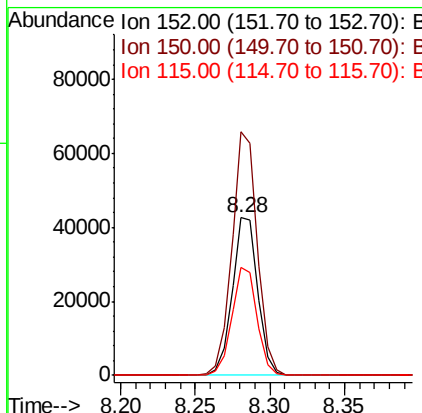
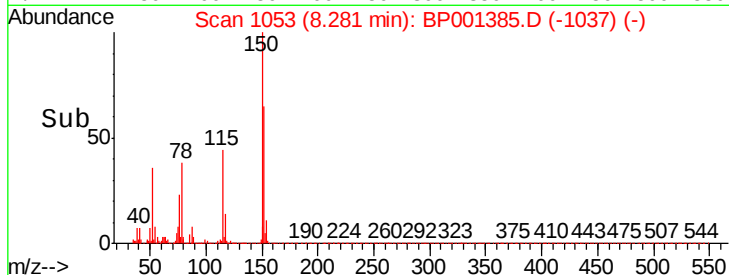
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BP001385.D
 Acq: 24 Dec 2019 14:35

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:	152	Resp:	50826
Ion	Ratio	Lower	Upper
152	100		
150	154.7	127.0	190.6
115	68.7	56.1	84.1

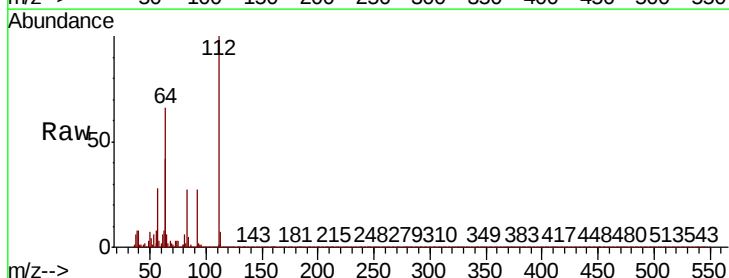


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

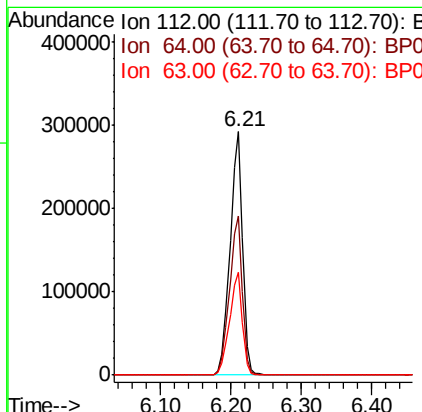
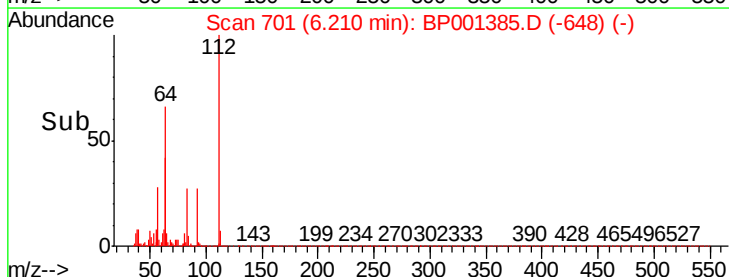


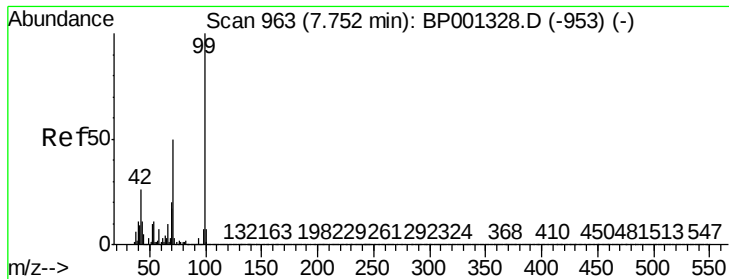
#5
 2-Fluorophenol
 Concen: 115.206 ng
 RT: 6.21 min Scan# 701
 Delta R.T. 0.01 min
 Lab File: BP001385.D
 Acq: 24 Dec 2019 14:35

Tgt Ion:	112	Resp:	362299
Ion	Ratio	Lower	Upper
112	100		
64	65.6	53.9	80.9
63	42.0	33.4	50.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BP0
 Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 123.378 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

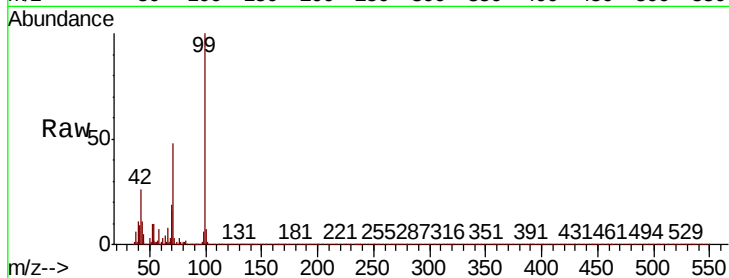
Tot Ion: 99 Resp: 506289

Ion Ratio Lower Upper

99 100

42 26.2 20.8 31.2

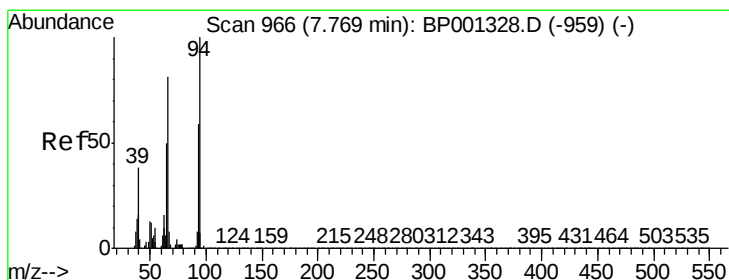
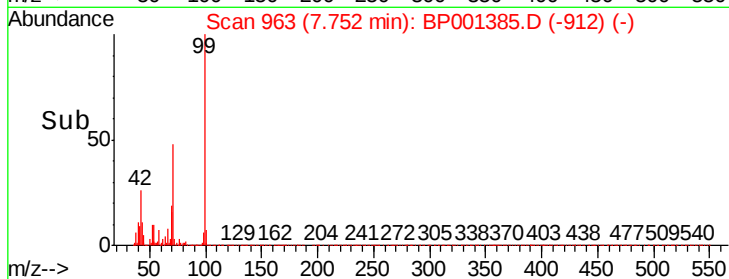
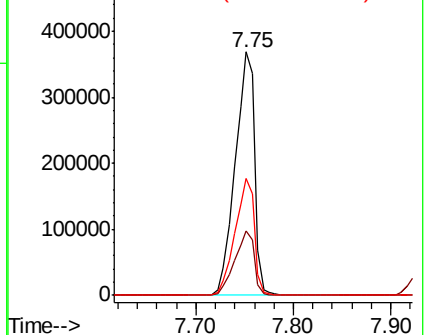
71 48.1 38.2 57.4



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



#10

Phenol

Concen: 2.492 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

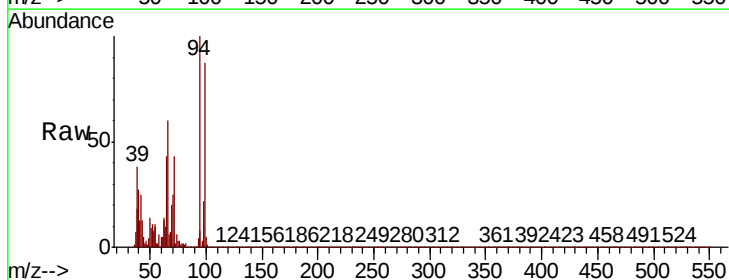
Tgt Ion: 94 Resp: 11684

Ion Ratio Lower Upper

94 100

65 43.1 29.6 69.6

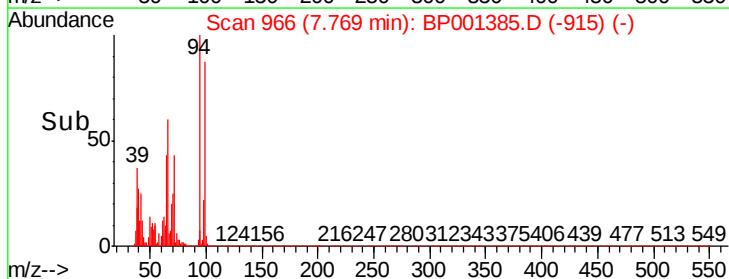
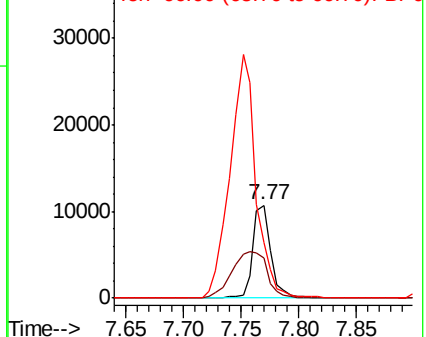
66 60.0 62.3 102.3#

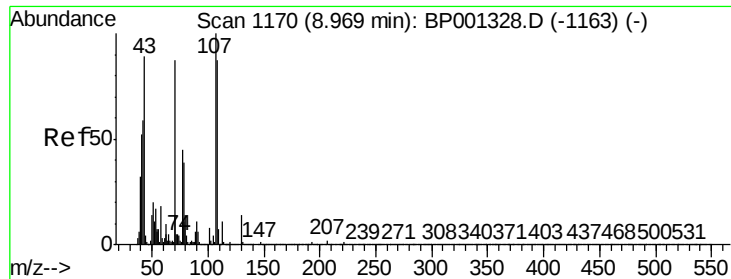


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

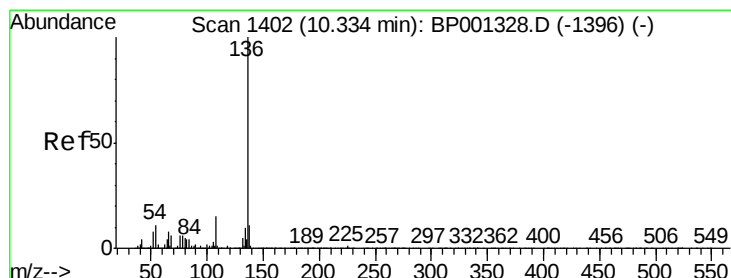
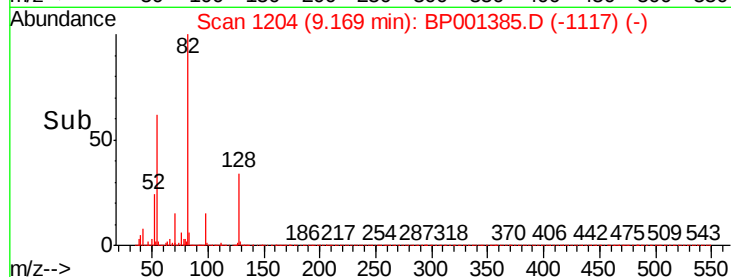
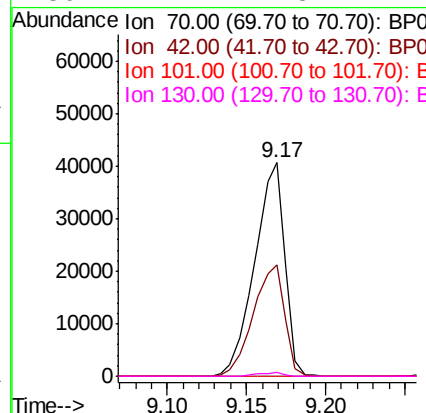
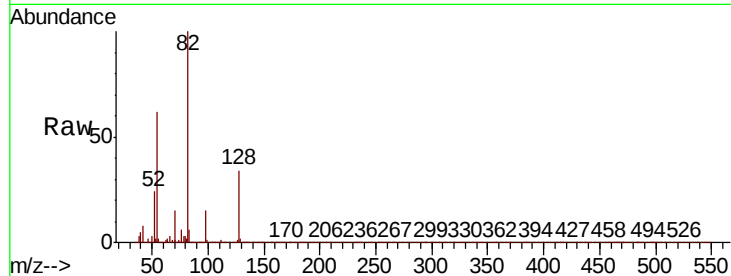




#19
n-Nitroso-di-n-propylamine
Concen: 18.397 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.21 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

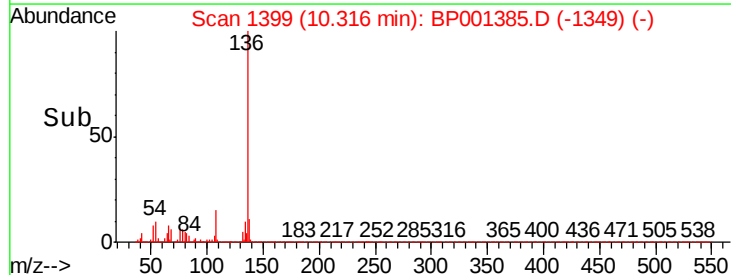
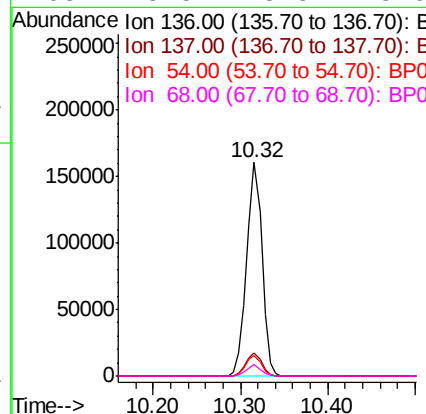
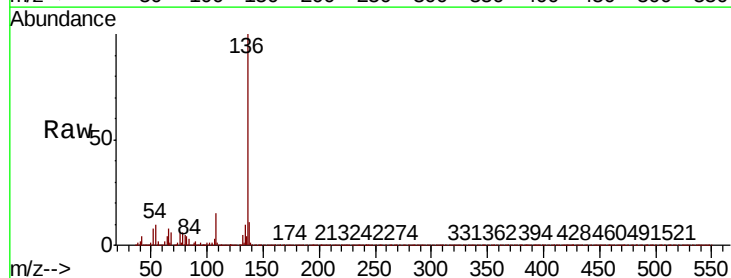
Instrument :
BNA_E
ClientSampleId :

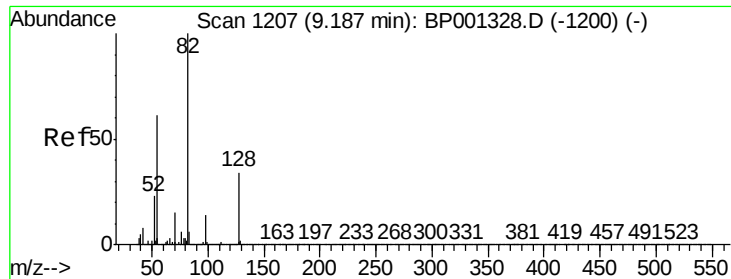
Tot Ion: 70 Resp: 53592
Ion Ratio Lower Upper
70 100
42 52.2 55.8 83.8#
101 0.0 8.2 12.2#
130 1.7 14.5 21.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

Tgt Ion:136 Resp: 187621
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.7 7.3 10.9
68 5.5 3.8 5.6

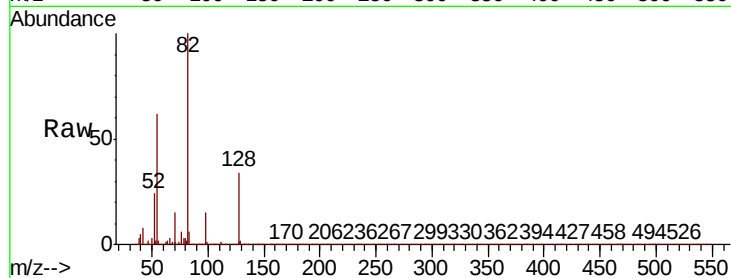




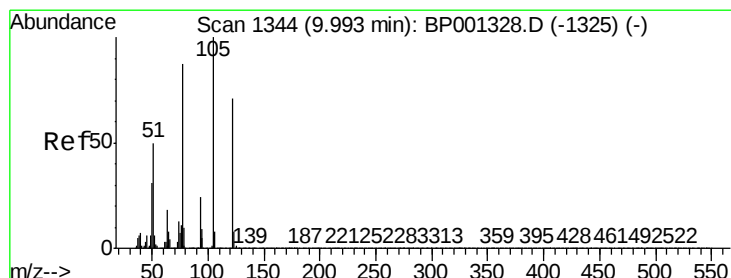
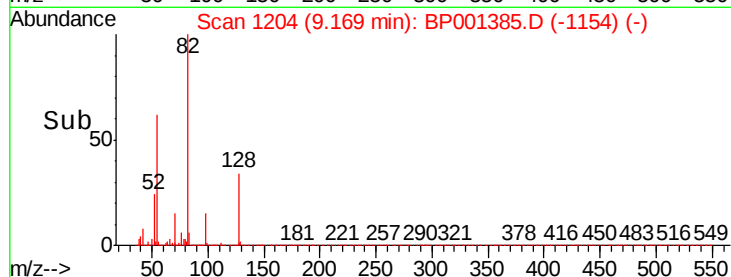
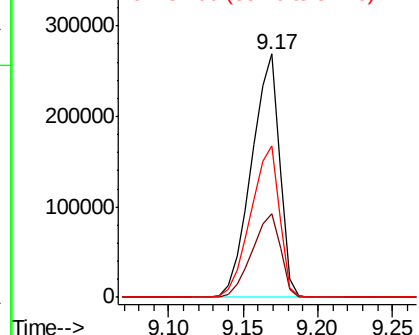
#23
Nitrobenzene-d5
Concen: 71.350 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 82 Resp: 348604
Ion Ratio Lower Upper
82 100
128 34.4 27.4 41.0
54 62.2 47.5 71.3

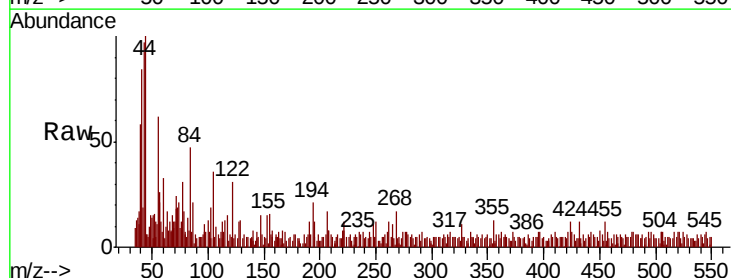


Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0

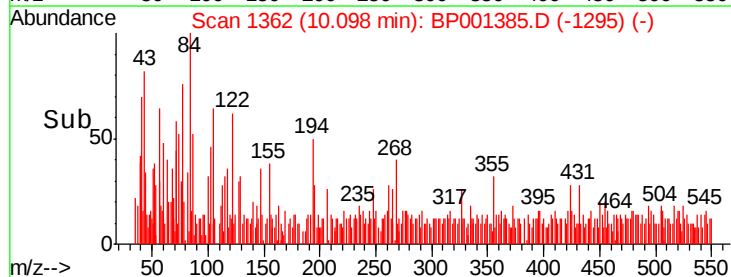
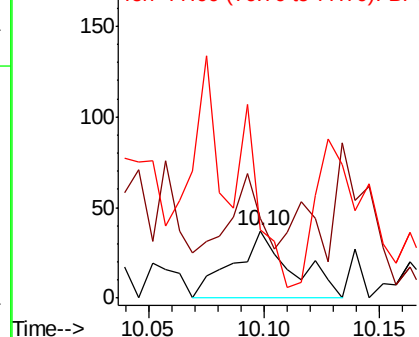


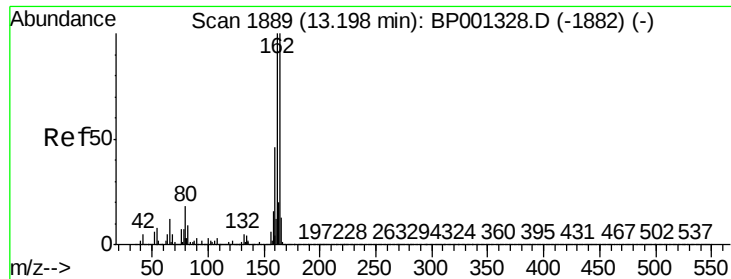
#32
Benzoic acid
Concen: 5.051 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.09 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

Tgt Ion: 122 Resp: 65
Ion Ratio Lower Upper
122 100
105 118.9 117.8 157.8
77 102.7 85.6 125.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BP0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.17 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

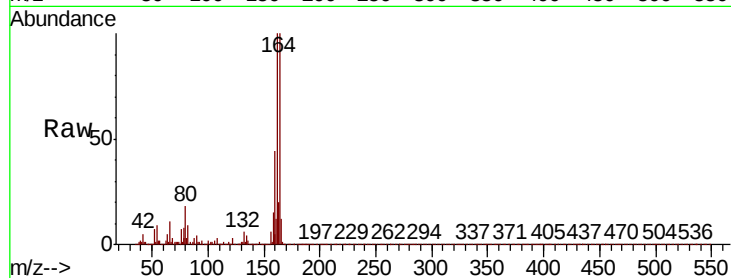
Tot Ion:164 Resp: 113492

Ion Ratio Lower Upper

164 100

162 100.0 78.2 117.4

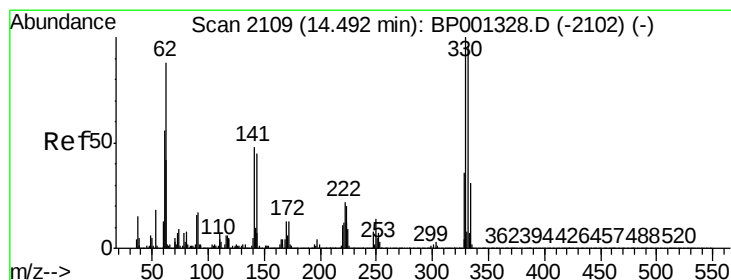
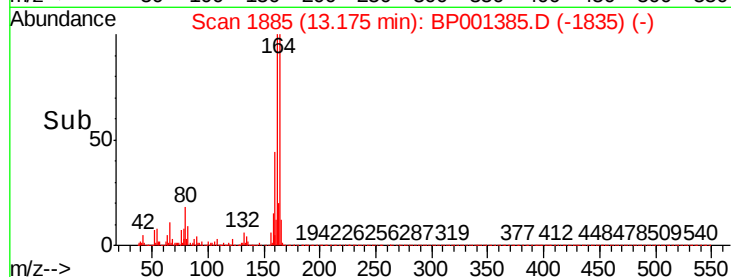
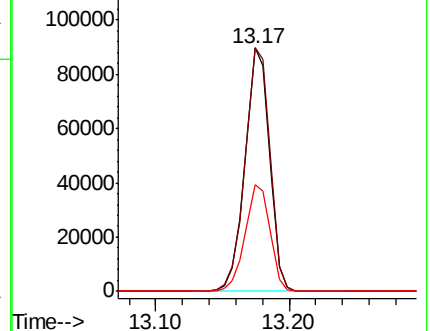
160 44.0 35.1 52.7



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: 118.537 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

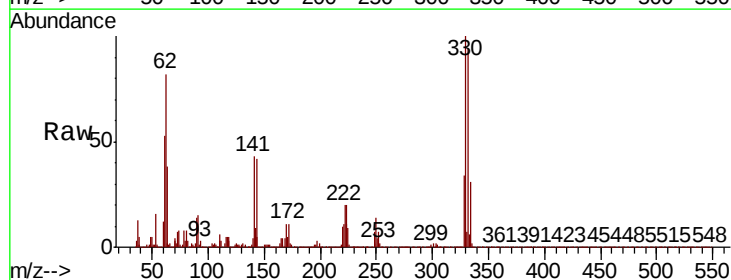
Tgt Ion:330 Resp: 168194

Ion Ratio Lower Upper

330 100

332 95.0 78.3 117.5

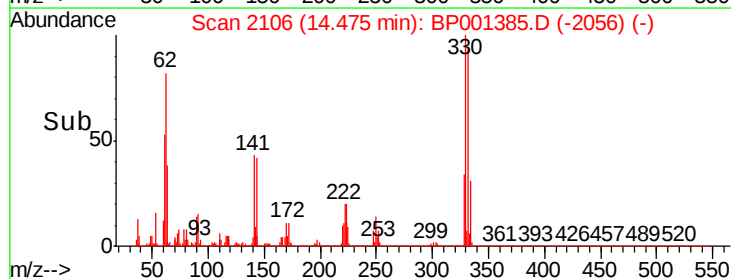
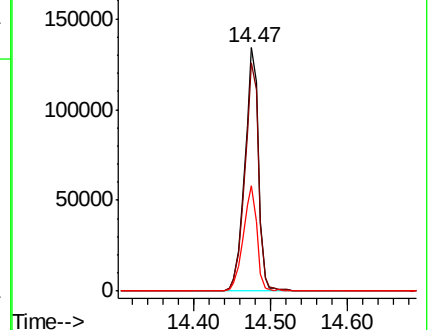
141 43.2 26.8 40.2#

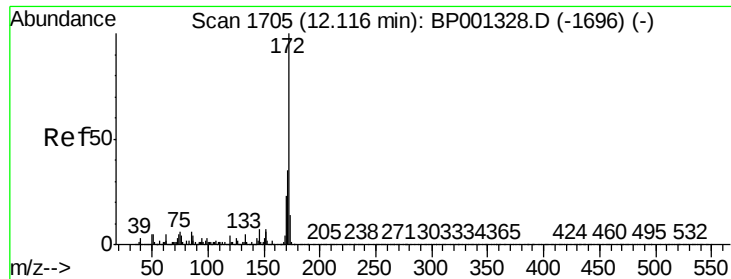


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

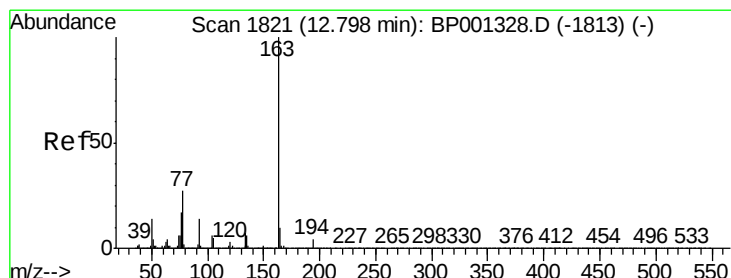
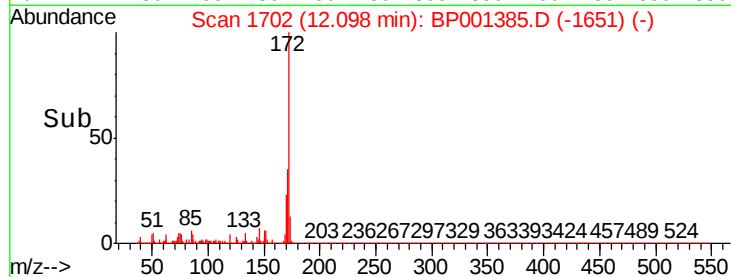
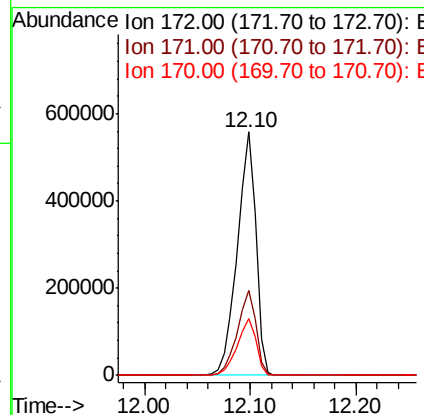
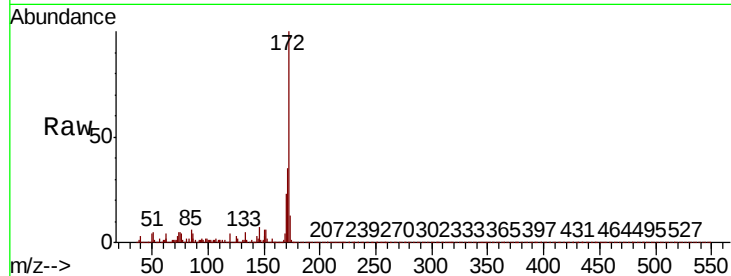




#45
2-Fluorobiphenyl
Concen: 75.110 ng
RT: 12.10 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

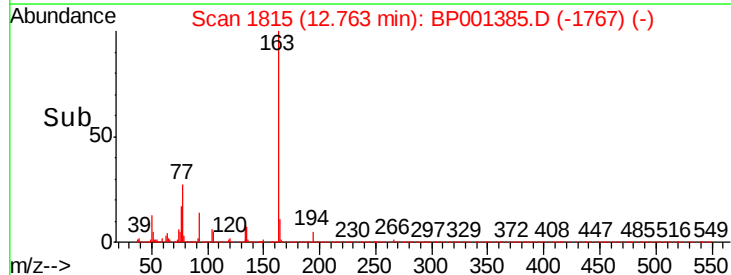
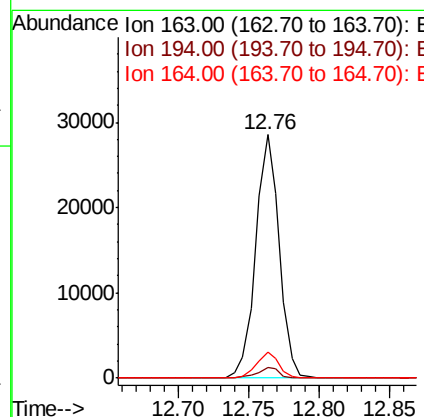
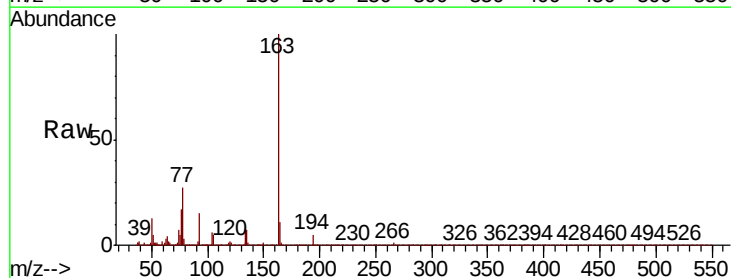
Instrument :
BNA_E
ClientSampleId :

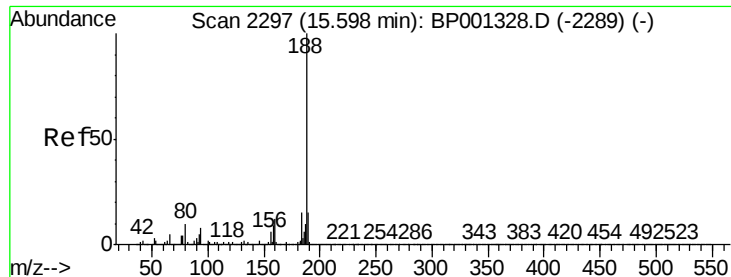
Tot Ion:172 Resp: 674142
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.0
170 23.2 18.2 27.4



#50
Dimethylphthalate
Concen: 3.587 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

Tgt Ion:163 Resp: 33396
Ion Ratio Lower Upper
163 100
194 4.6 3.2 4.8
164 10.5 7.7 11.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

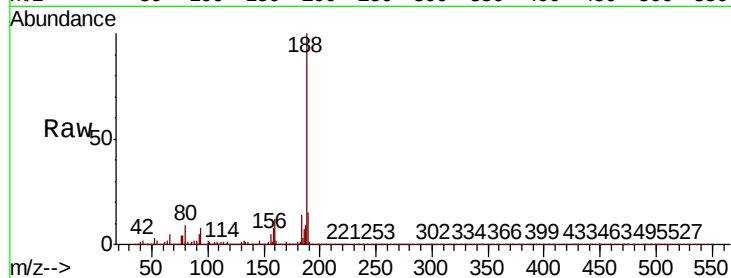
Tot Ion:188 Resp: 220071

Ion Ratio Lower Upper

188 100

94 8.1 5.8 8.8

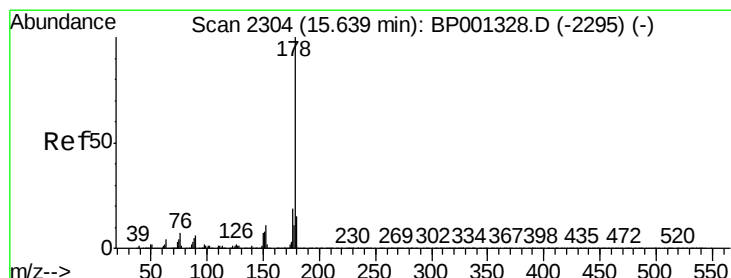
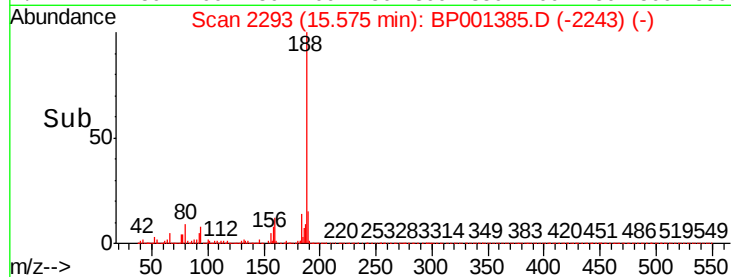
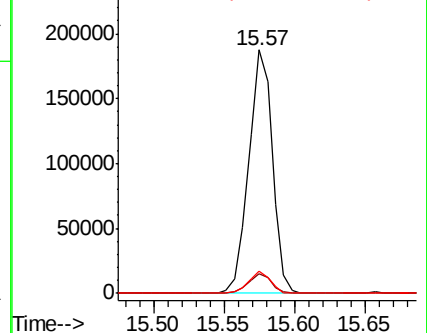
80 9.0 5.7 8.5#



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: 2.135 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

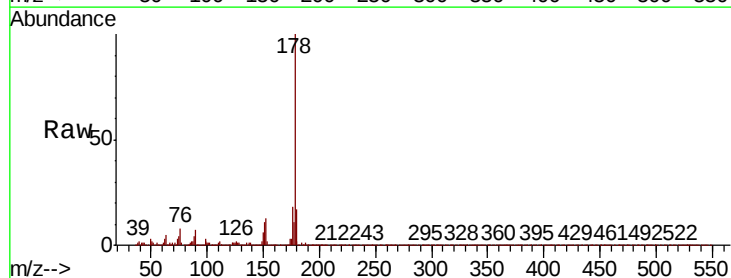
Tgt Ion:178 Resp: 26804

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.0

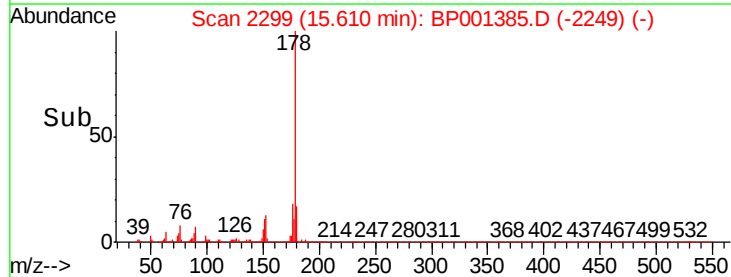
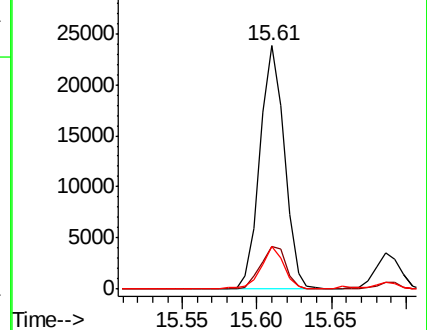
179 17.4 12.2 18.2

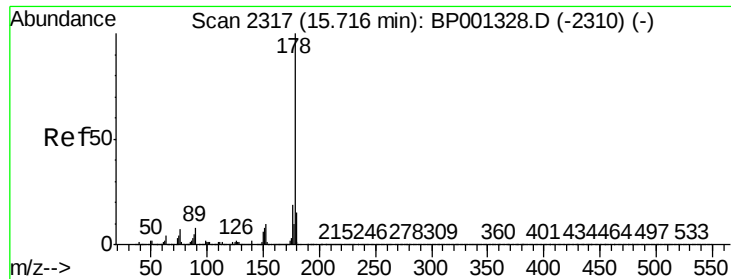


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.157 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.09 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

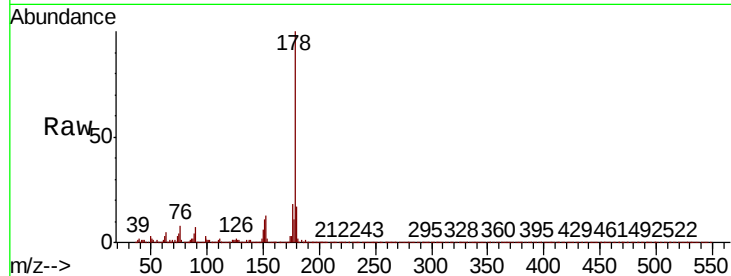
Tot Ion:178 Resp: 26804

Ion Ratio Lower Upper

178 100

176 17.7 14.5 21.7

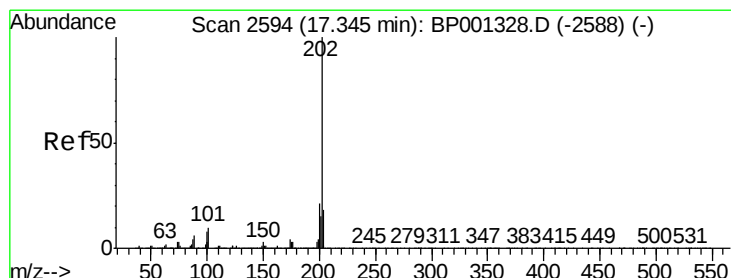
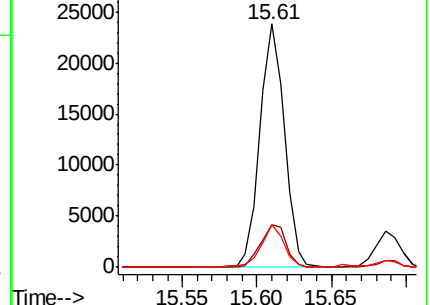
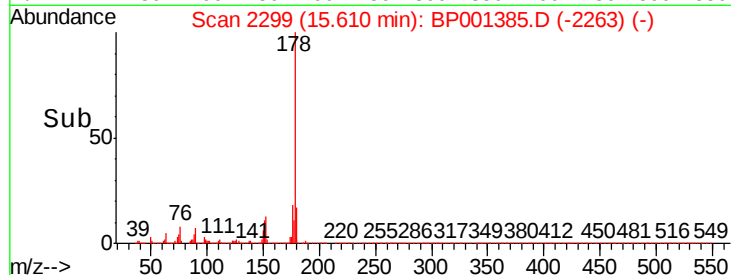
179 17.4 11.8 17.8



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: 4.823 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.01 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

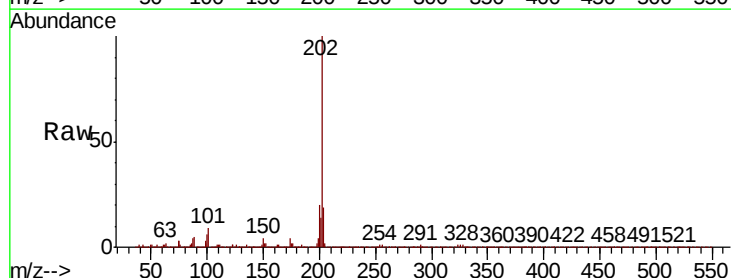
Tgt Ion:202 Resp: 67713

Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.7

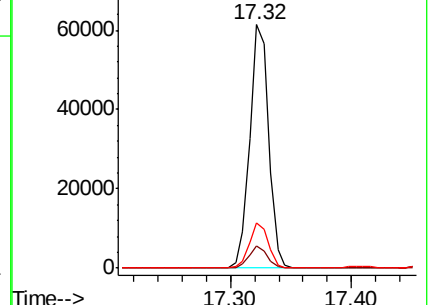
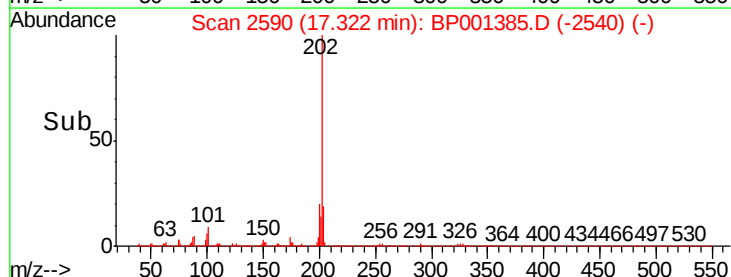
203 18.6 0.0 37.4

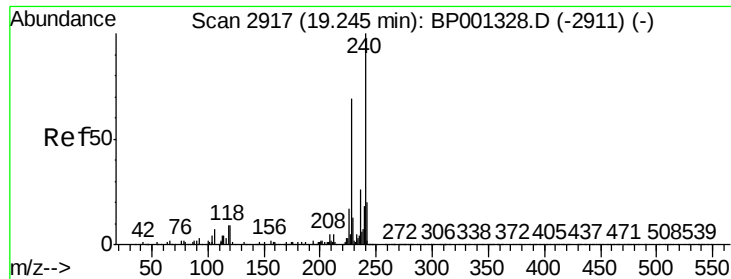


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

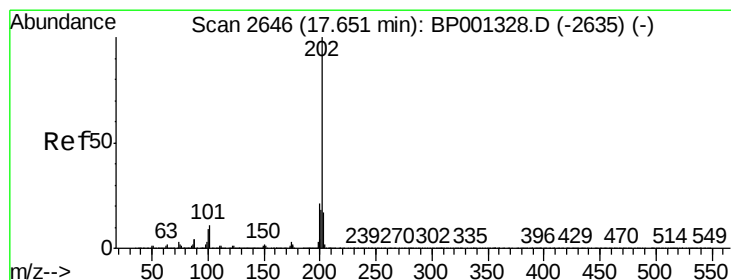
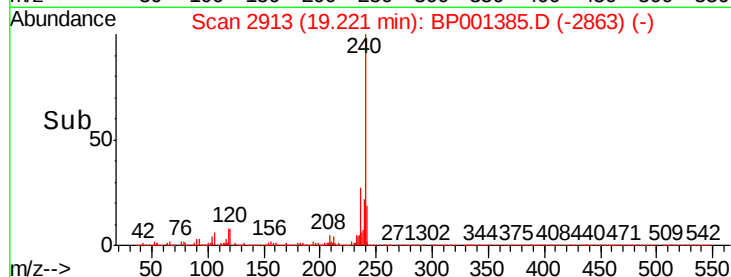
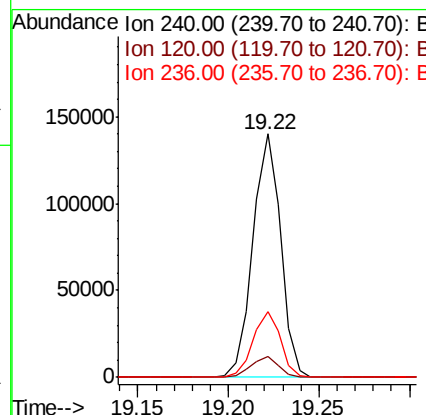
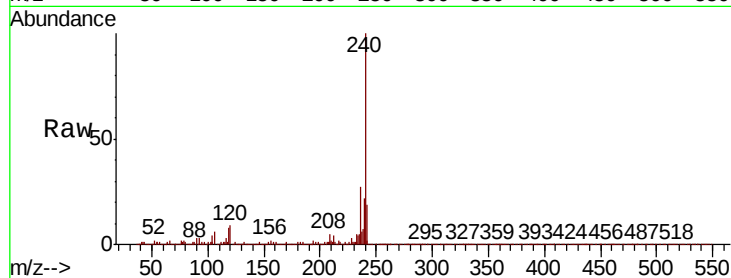




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.22 min Scan# 2913
Delta R.T. -0.01 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

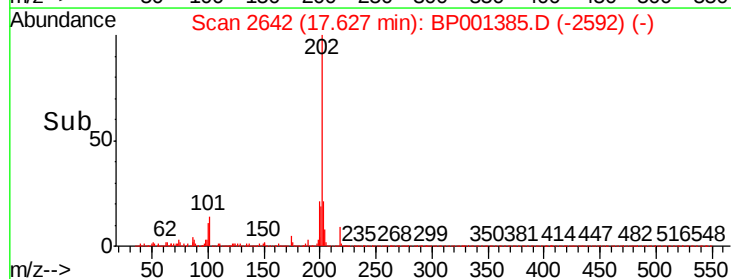
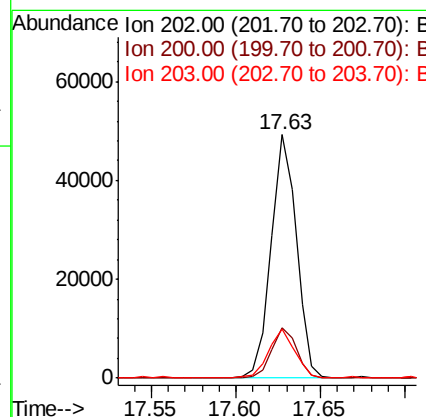
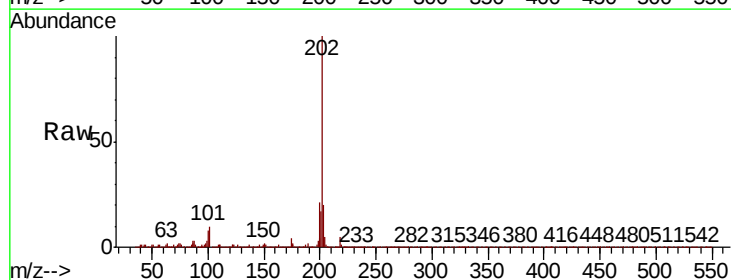
Instrument :
BNA_E
ClientSampleId :

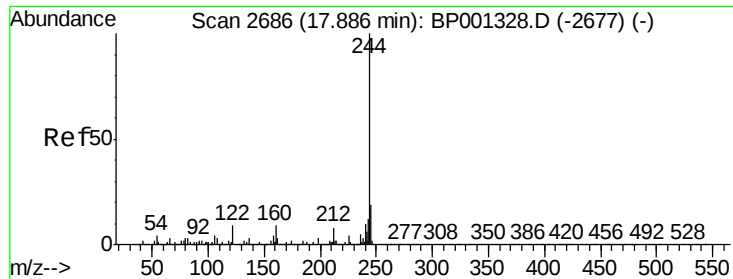
Tot Ion:240 Resp: 149222
Ion Ratio Lower Upper
240 100
120 8.5 6.2 9.2
236 26.8 20.2 30.2



#78
Pyrene
Concen: 4.415 ng
RT: 17.63 min Scan# 2642
Delta R.T. -0.01 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

Tgt Ion:202 Resp: 51149
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 20.1 14.3 21.5





#79

Terphenyl-d14

Concen: 90.275 ng

RT: 17.87 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BP001385.D

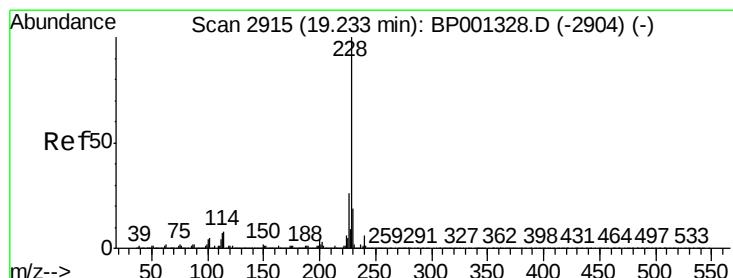
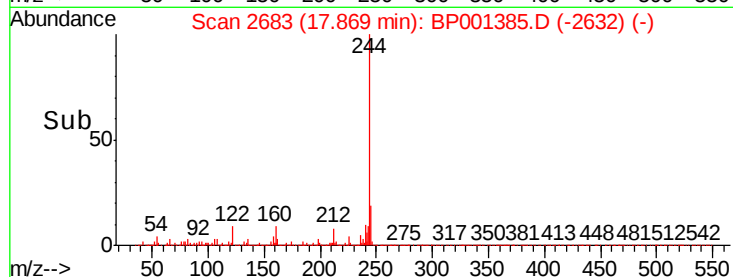
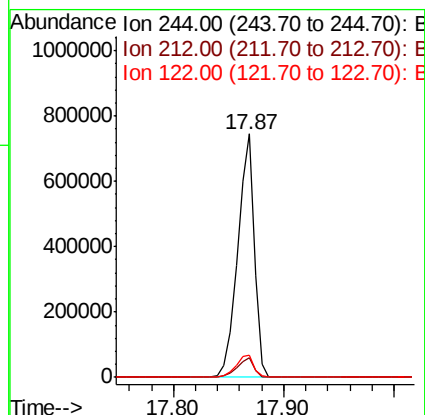
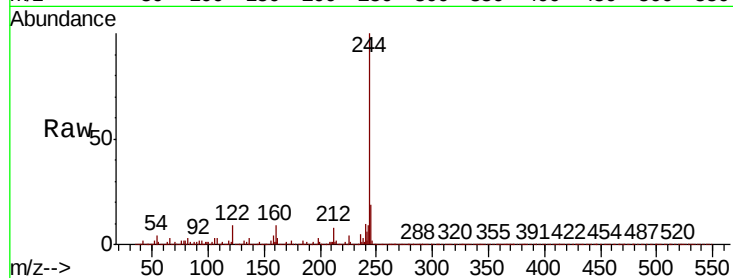
Acq: 24 Dec 2019 14:35

Instrument :

BNA_E

ClientSampled :

Tot Ion:244	Resp:	786505
Ion Ratio	Lower	Upper
244	100	
212	7.9	5.8 8.8
122	9.0	6.4 9.6



#81

Benzo(a)anthracene

Concen: 2.087 ng

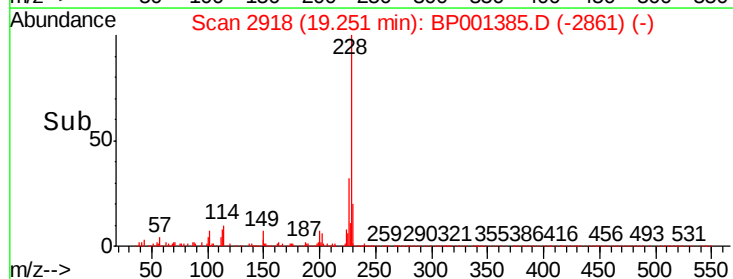
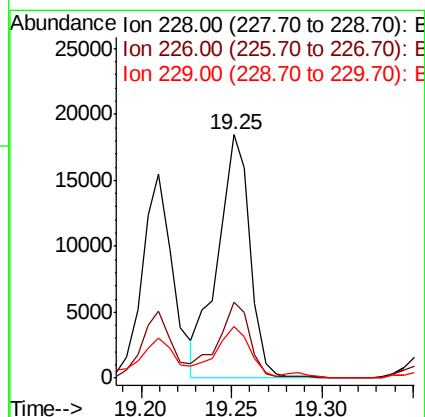
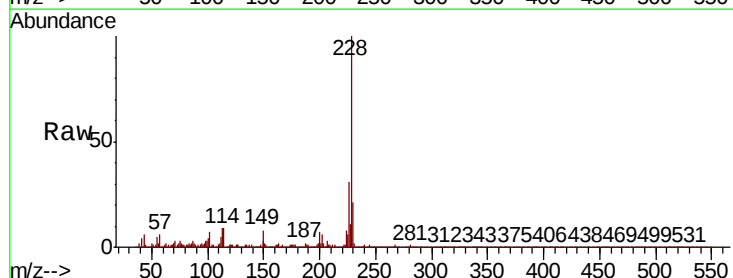
RT: 19.25 min Scan# 2918

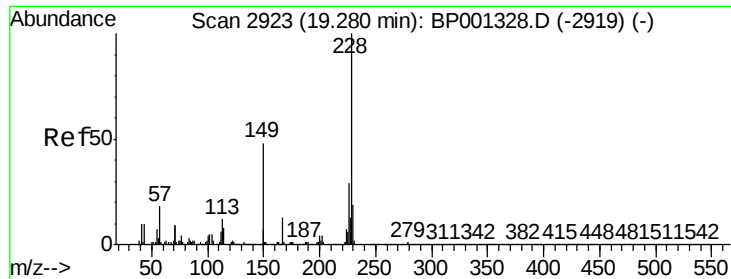
Delta R.T. 0.04 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

Tgt Ion:228	Resp:	22692
Ion Ratio	Lower	Upper
228	100	
226	31.3	21.4 32.2
229	21.0	15.7 23.5





#83

Chrysene

Concen: 2.162 ng

RT: 19.25 min Scan# 2918

Delta R.T. -0.01 min

Lab File: BP001385.D

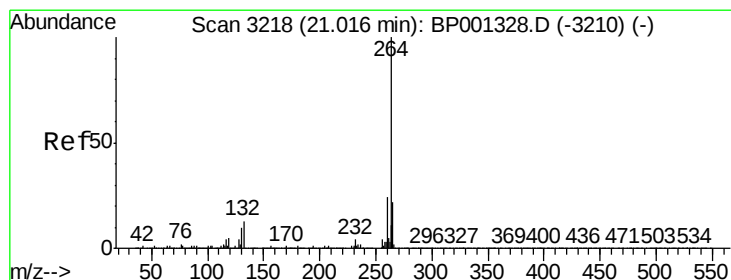
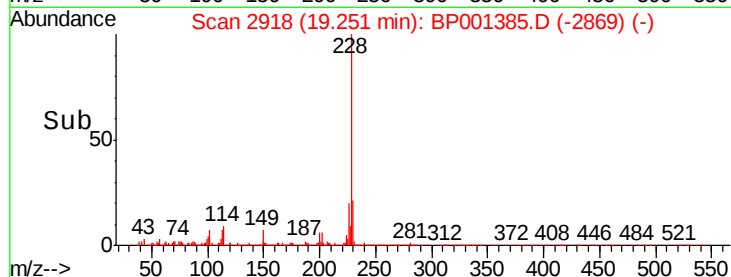
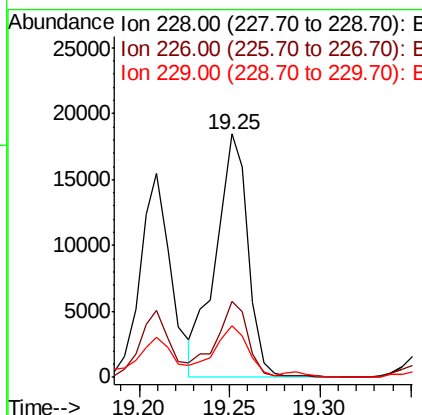
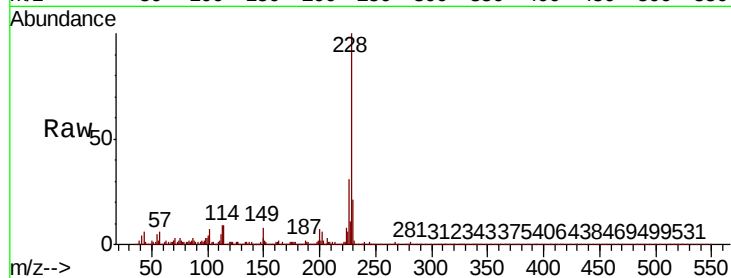
Acq: 24 Dec 2019 14:35

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	228	Resp:	22692
Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.4	35.2
229	21.0	15.5	23.3



#87

Perylene-d12

Concen: 20.000 ng

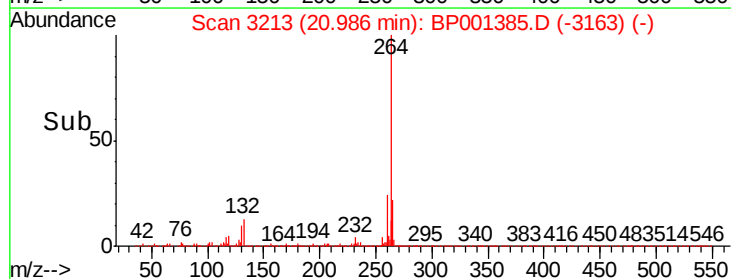
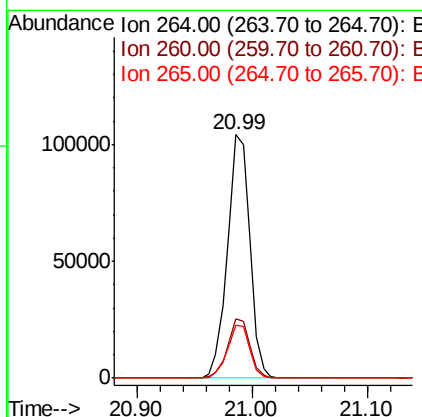
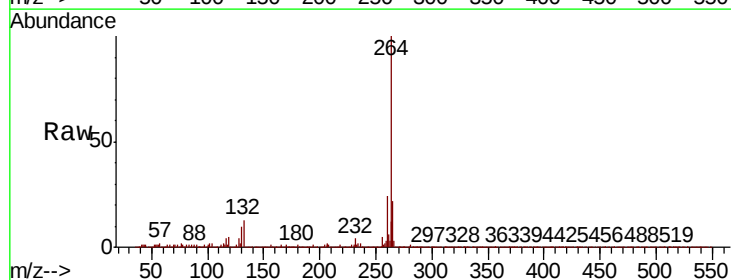
RT: 20.99 min Scan# 3213

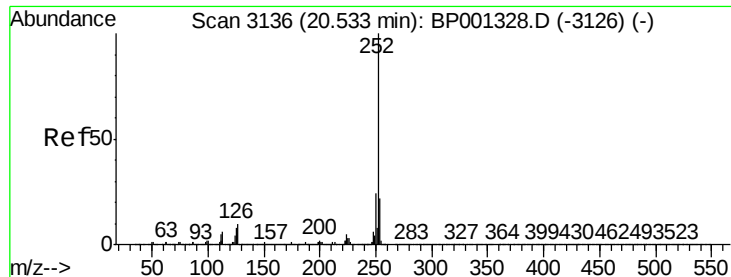
Delta R.T. -0.01 min

Lab File: BP001385.D

Acq: 24 Dec 2019 14:35

Tgt Ion:	264	Resp:	140366
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	22.0	17.0	25.4

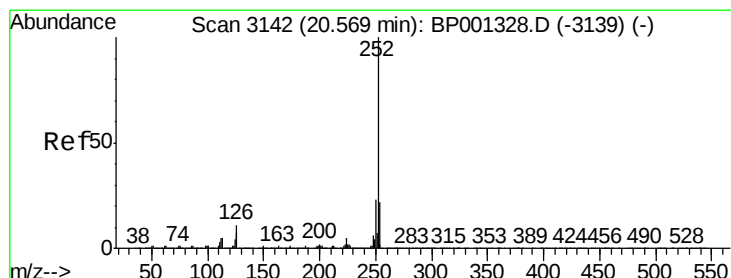
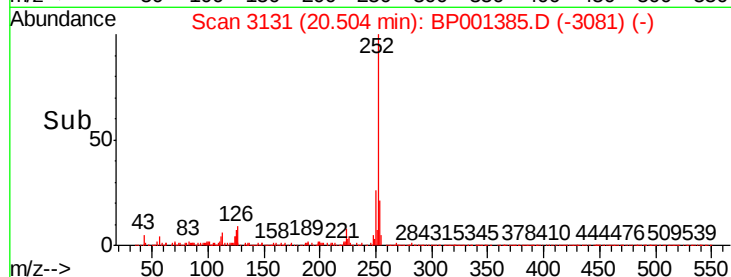
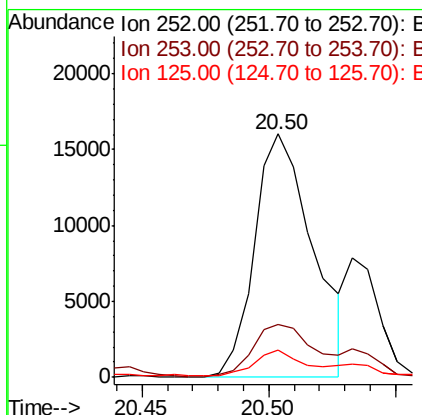
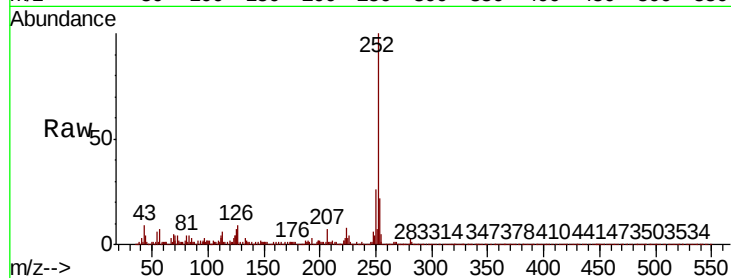




#88
Benzo(b)fluoranthene
Concen: 2.797 ng
RT: 20.50 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	11.2	5.6	8.4



#89
Benzo(k)fluoranthene
Concen: 2.936 ng
RT: 20.50 min Scan# 3131
Delta R.T. -0.05 min
Lab File: BP001385.D
Acq: 24 Dec 2019 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	11.2	4.5	6.7

