

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
 Data File : BP001372.D
 Acq On : 23 Dec 2019 17:38
 Operator : JU
 Sample : K6372-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-12

Quant Time: Jan 01 06:29:38 2020
 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	51312	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	196102	20.00	ng	0.05
39) Acenaphthene-d10	13.20	164	101490	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	188774	20.00	ng	0.00
76) Chrysene-d12	19.25	240	148573	20.00	ng	0.00
87) Perylene-d12	21.03	264	153122	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	172665	54.38	ng	0.01
7) Phenol-d6	7.76	99	130383	31.47	ng	0.00
23) Nitrobenzene-d5	9.20	82	411286	80.54	ng	0.02
42) 2,4,6-Tribromophenol	14.50	330	167834	132.27	ng	0.01
45) 2-Fluorobiphenyl	12.13	172	705824	87.94	ng	0.01
79) Terphenyl-d14	17.89	244	819290	94.45	ng	0.00

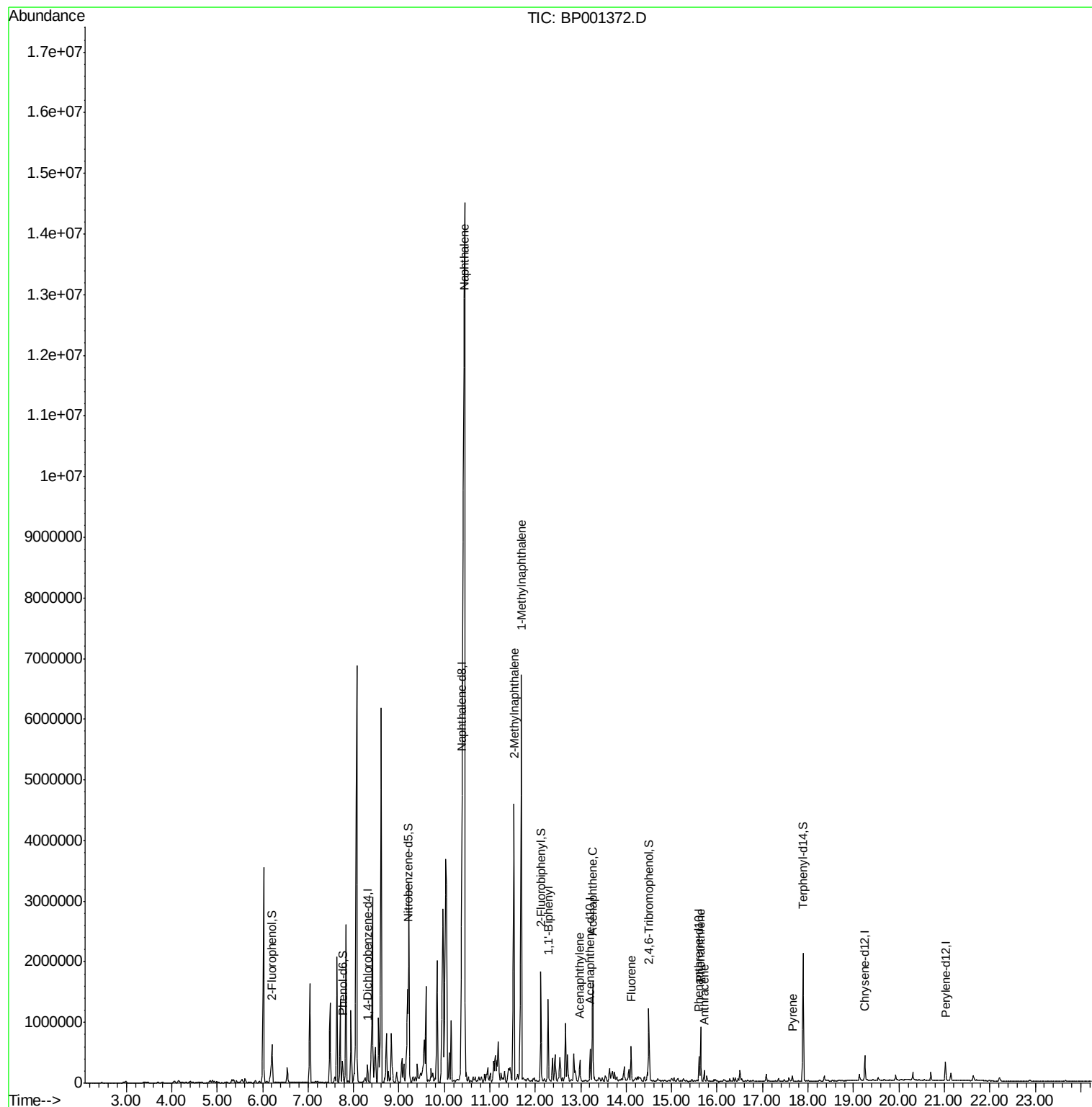
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.45	128	19512890	1822.855	ng	96
37) 2-Methylnaphthalene	11.53	142	1881543	254.603	ng	98
38) 1-Methylnaphthalene	11.70	142	3214688	462.695	ng	98
46) 1,1'-Biphenyl	12.28	154	481819	56.731	ng	100
49) Acenaphthylene	12.97	152	43891	4.373	ng	# 70
52) Acenaphthene	13.26	154	450000	74.415	ng	100
58) Fluorene	14.10	166	195232	25.762	ng	97
71) Phenanthrene	15.64	178	397292	36.888	ng	98
72) Anthracene	15.72	178	83679	7.849	ng	99
78) Pyrene	17.66	202	38857	3.368	ng	99

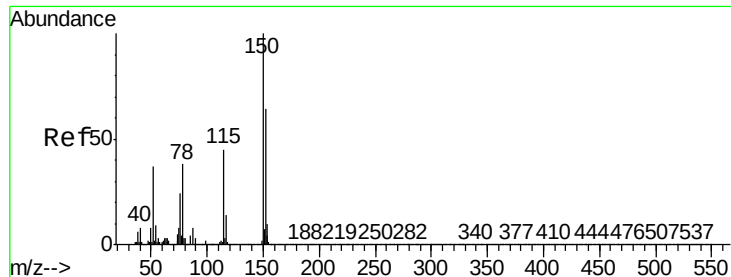
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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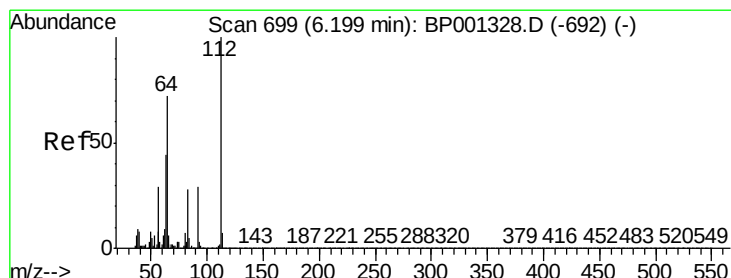
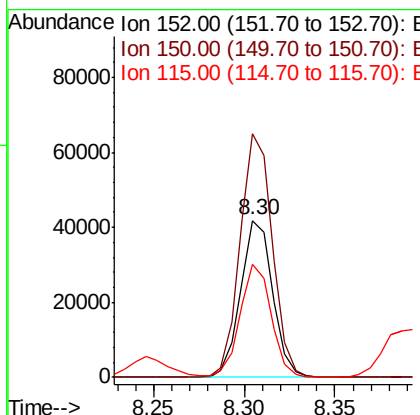
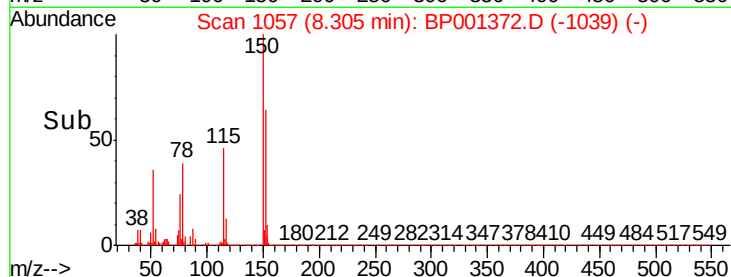
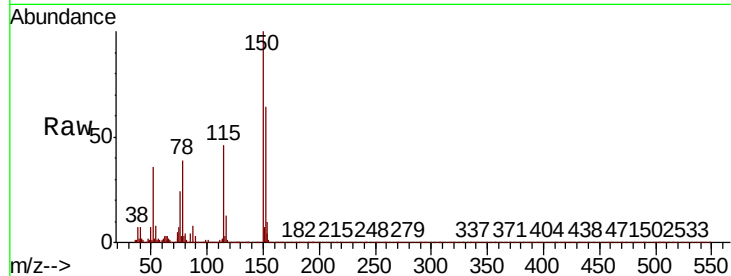




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.30 min Scan# 1057
Delta R.T. 0.01 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

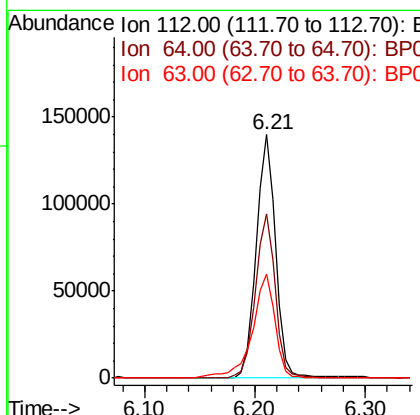
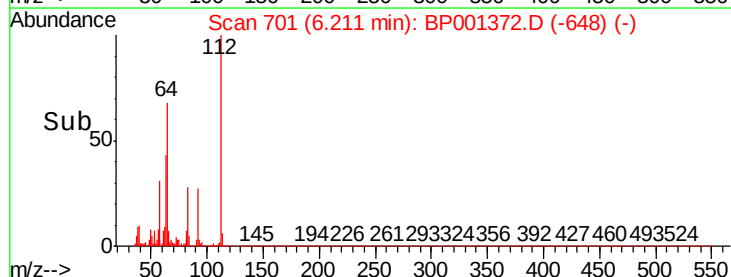
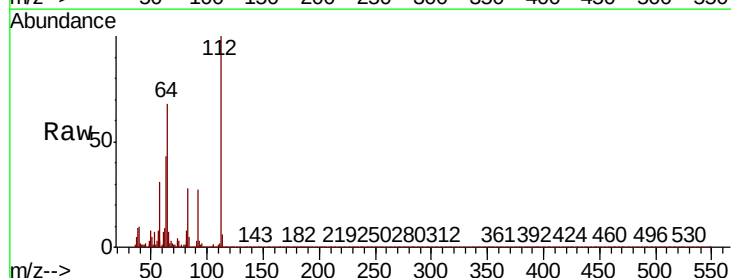
Instrument :
BNA_P
ClientSampleId :
MW-12

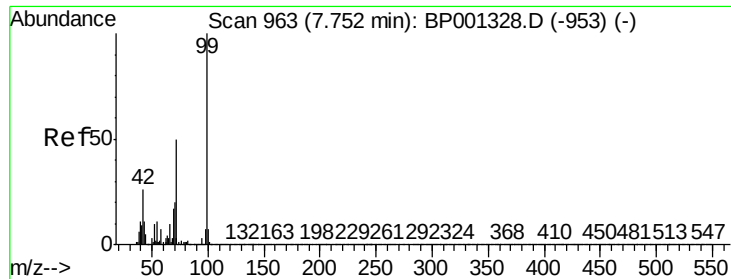
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.0	186.0
115	71.8	59.3	88.9



#5
2-Fluorophenol
Concen: 54.385 ng
RT: 6.21 min Scan# 701
Delta R.T. 0.01 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	57.6	86.4
63	42.9	35.1	52.7





#7

Phenol-d6

Concen: 31.472 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

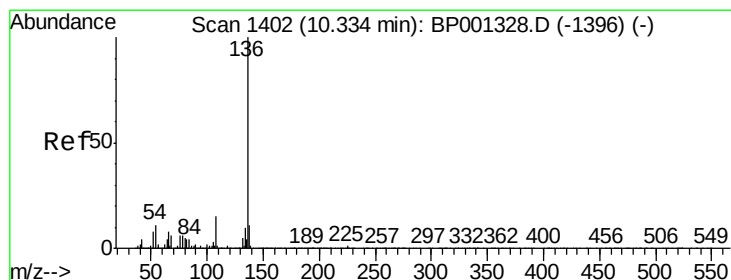
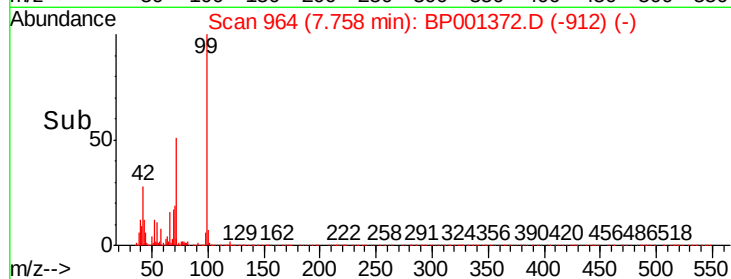
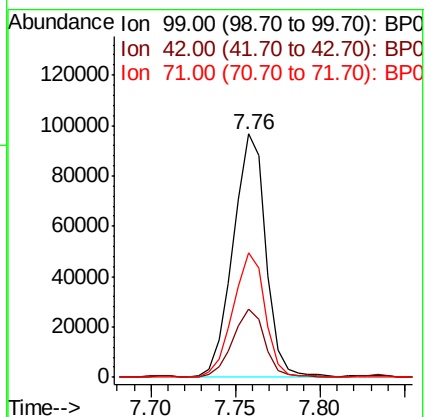
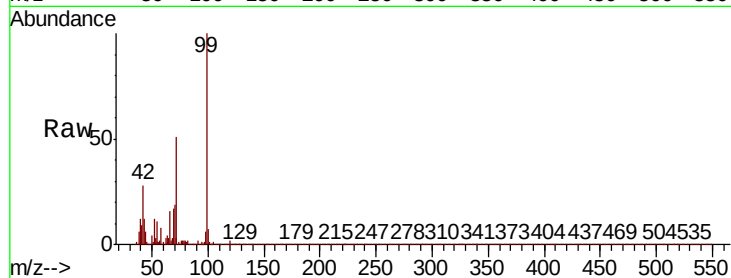
BNA_P

ClientSampleId :

MW-12

Tot Ion: 99 Resp: 130383

Ion	Ratio	Lower	Upper
99	100		
42	28.0	20.9	31.3
71	51.0	40.0	60.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1410

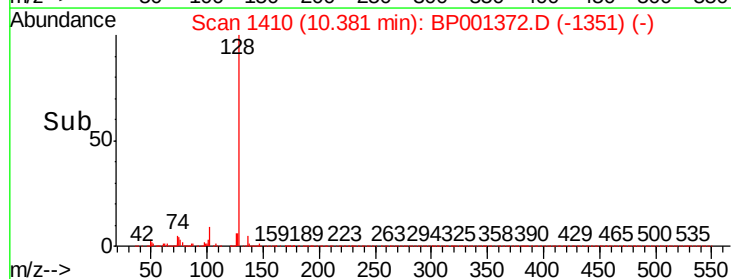
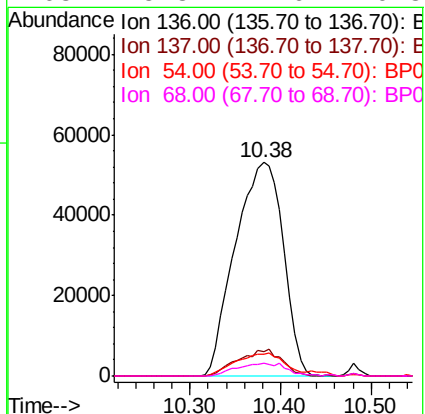
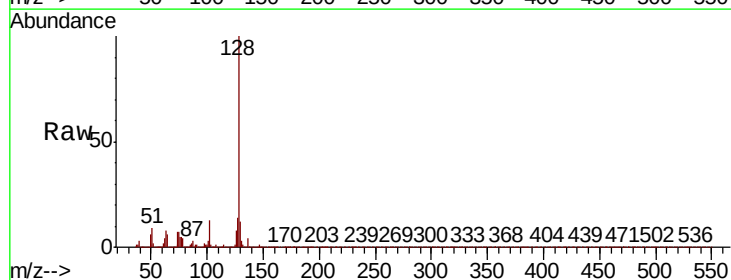
Delta R.T. 0.05 min

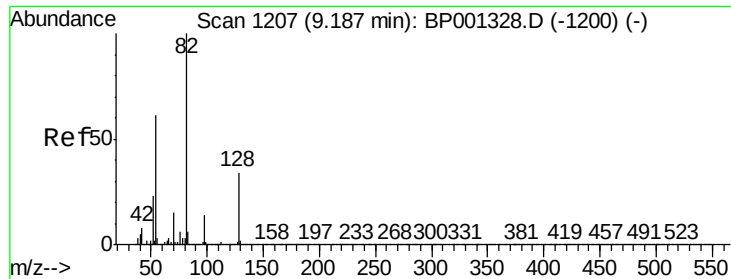
Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Tgt Ion: 136 Resp: 196102

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.3	8.8	13.2
68	5.8	4.6	6.8

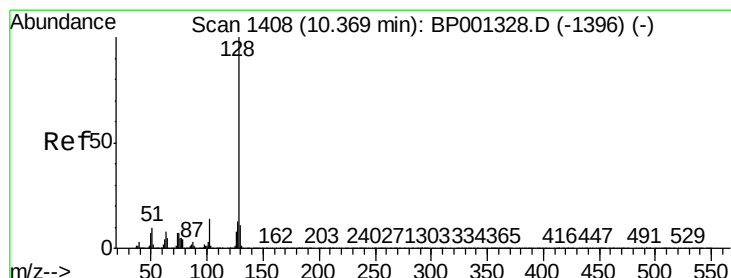
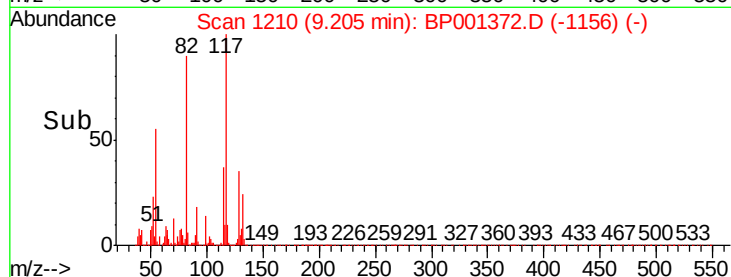
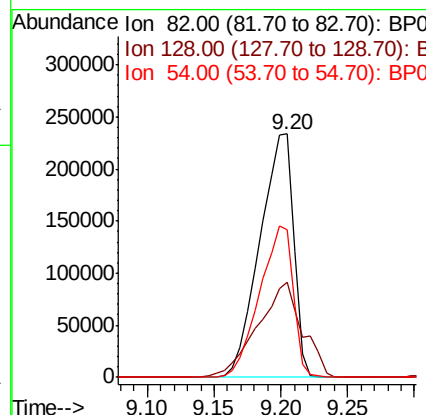
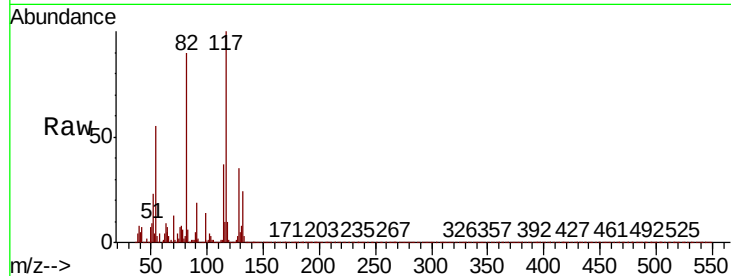




#23
 Nitrobenzene-d5
 Concen: 80.539 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BP001372.D
 Acq: 23 Dec 2019 17:38

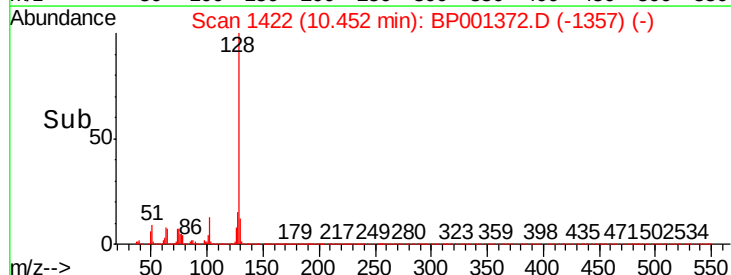
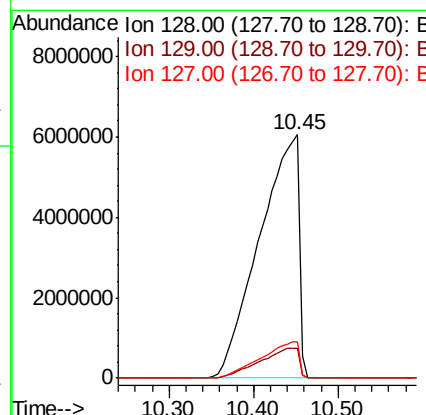
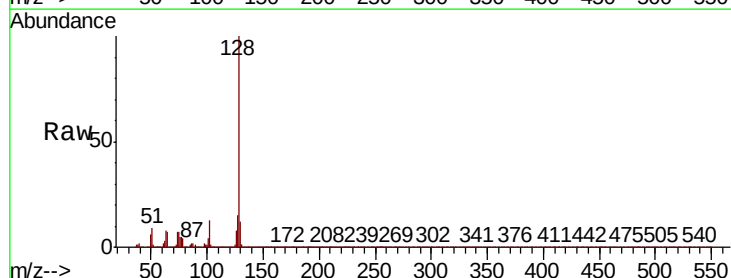
Instrument :
 BNA_P
 ClientSampleId :
 MW-12

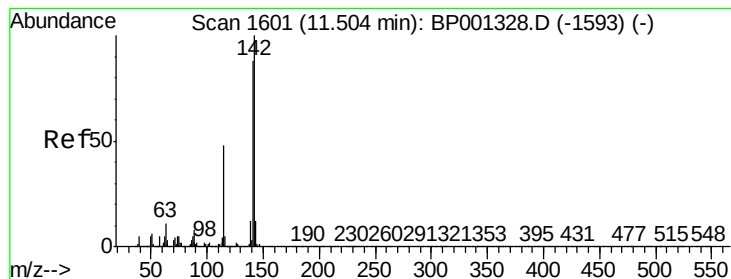
Tot Ion	82	Resp	411286
Ion Ratio	Lower	Upper	
82	100		
128	39.3	27.0	40.4
54	60.5	49.0	73.4



#31
 Naphthalene
 Concen: 1822.855 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.08 min
 Lab File: BP001372.D
 Acq: 23 Dec 2019 17:38

Tgt Ion	128	Resp	19512890
Ion Ratio	Lower	Upper	
128	100		
129	12.1	8.9	13.3
127	15.1	10.7	16.1





#37

2-Methylnaphthalene

Concen: 254.603 ng

RT: 11.53 min Scan# 1605

Delta R.T. 0.02 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

MW-12

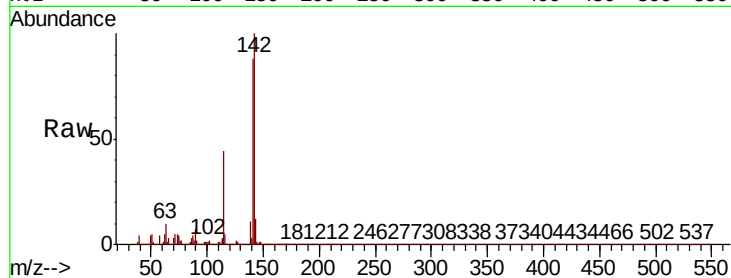
Tot Ion:142 Resp: 1881543

Ion Ratio Lower Upper

142 100

141 87.6 70.2 105.4

115 44.0 38.7 58.1

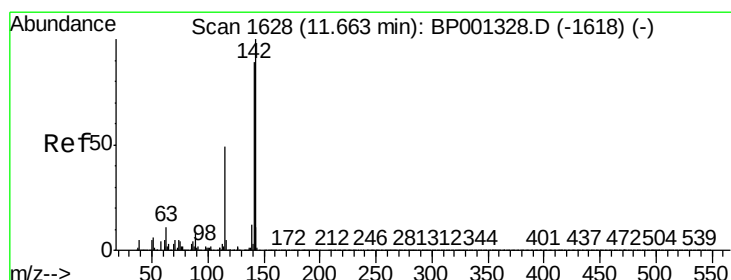
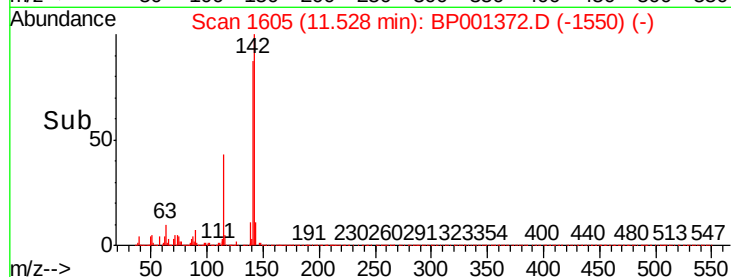
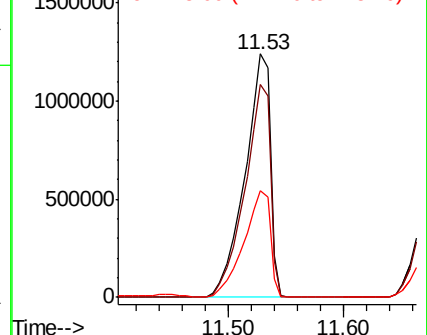


Abundance

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: 462.695 ng

RT: 11.70 min Scan# 1634

Delta R.T. 0.04 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

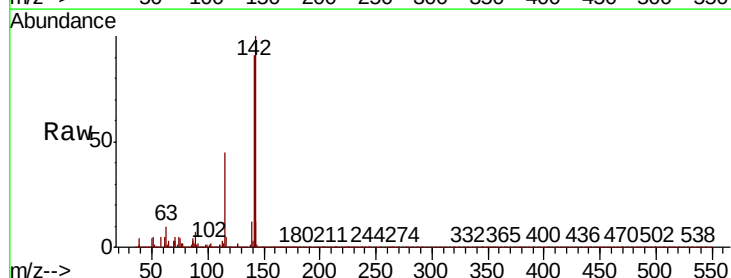
Tgt Ion:142 Resp: 3214688

Ion Ratio Lower Upper

142 100

141 90.7 71.3 106.9

116 4.7 4.2 6.2

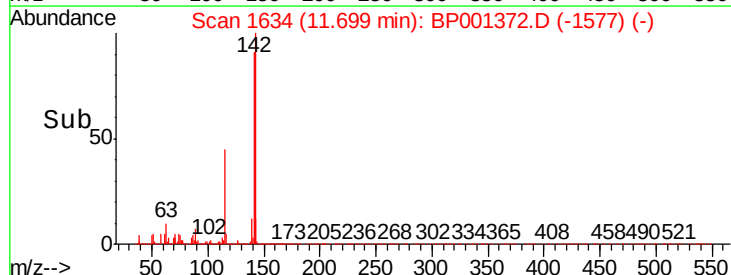
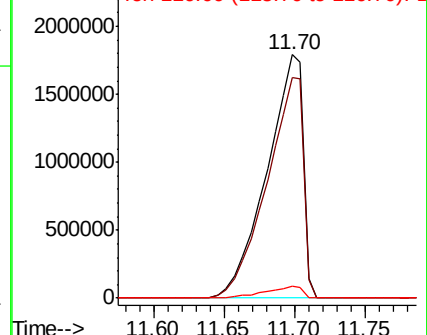


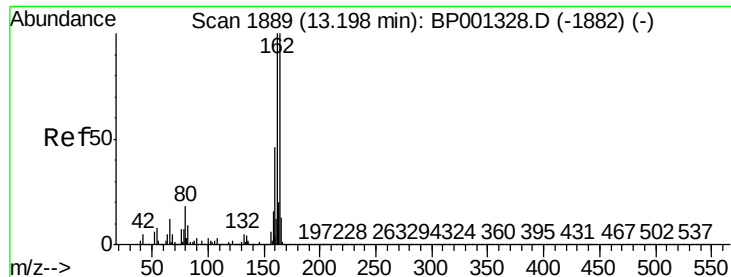
Abundance

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: 13.20 min Scan# 1890

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

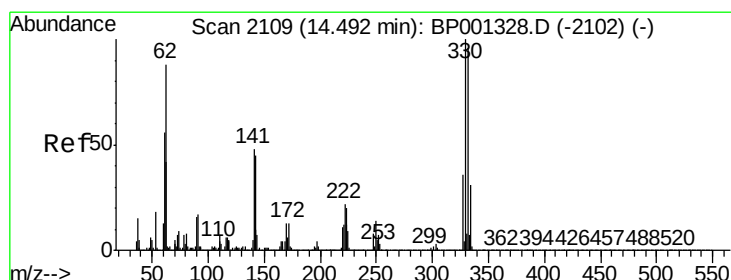
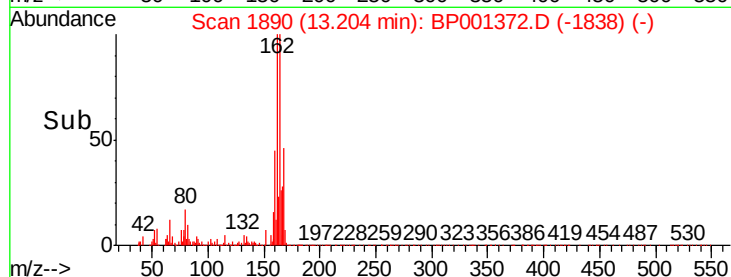
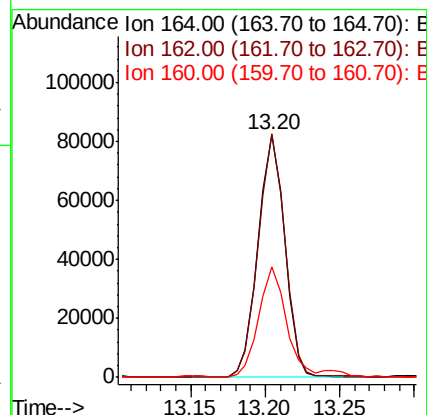
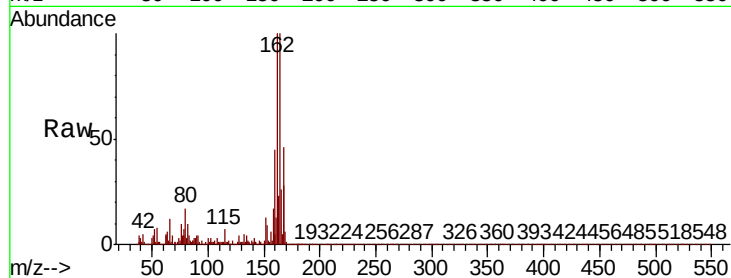
BNA_P

ClientSampled :

MW-12

Tot Ion:164 Resp: 101490

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.3	120.5
160	45.6	36.6	54.8



#42

2,4,6-Tribromophenol

Concen: 132.272 ng

RT: 14.50 min Scan# 2111

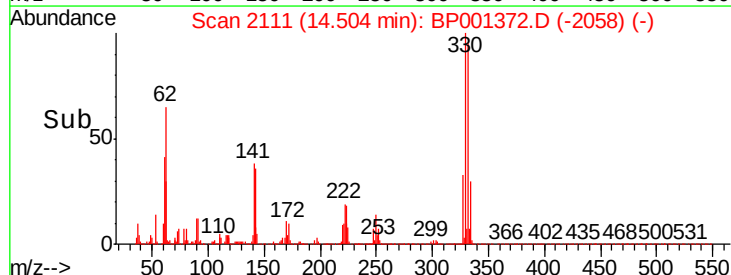
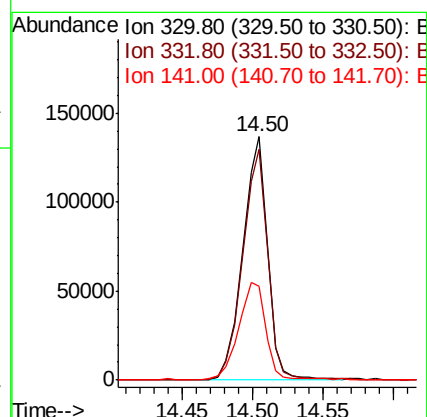
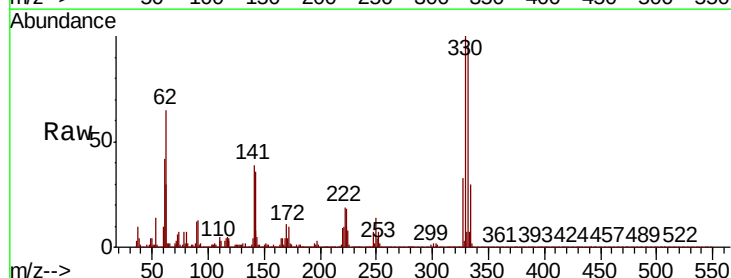
Delta R.T. 0.01 min

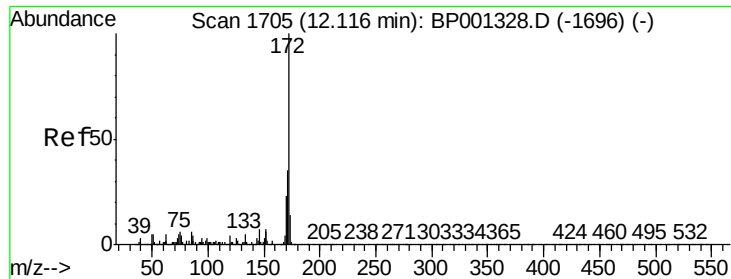
Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Tgt Ion:330 Resp: 167834

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.7	118.1
141	42.7	36.2	54.4

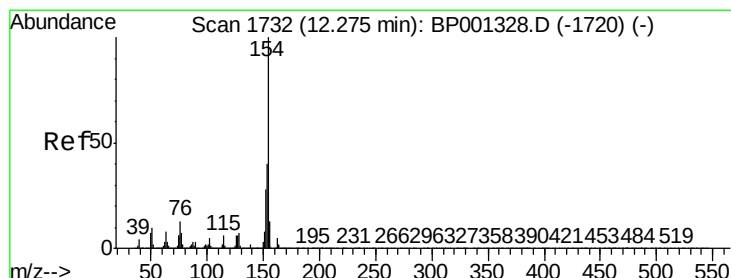
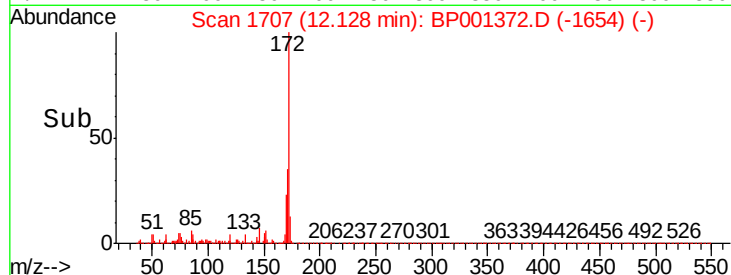
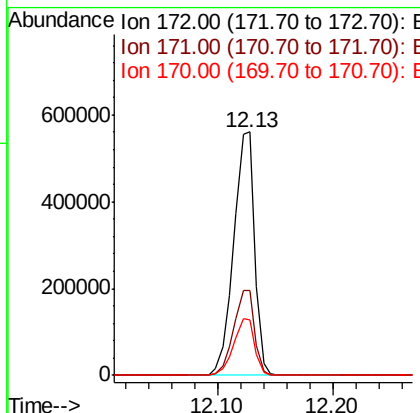
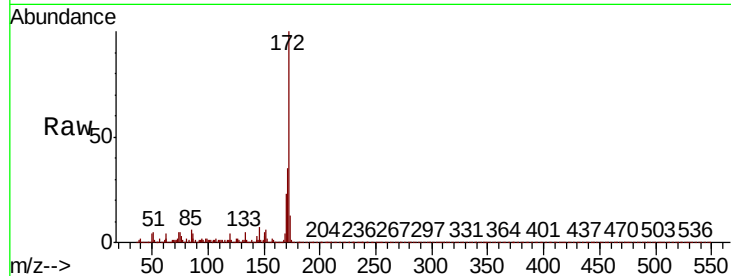




#45
 2-Fluorobiphenyl
 Concen: 87.940 ng
 RT: 12.13 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: BP001372.D
 Acq: 23 Dec 2019 17:38

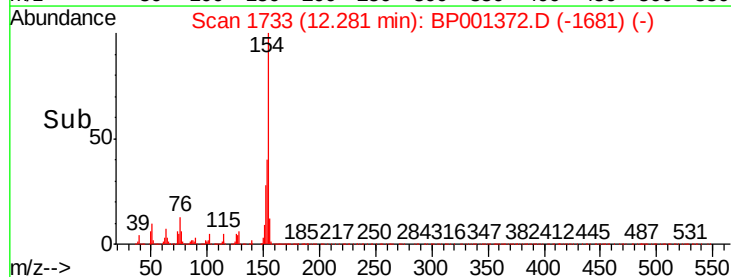
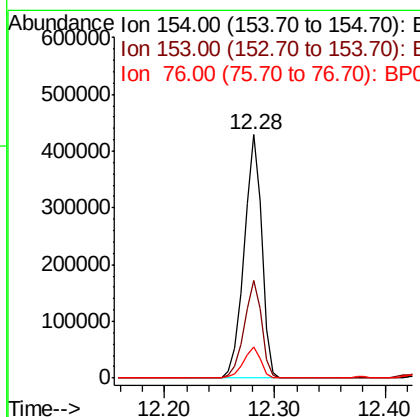
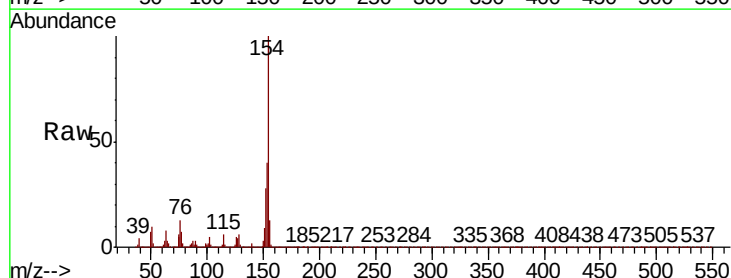
Instrument :
 BNA_P
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 MW-12

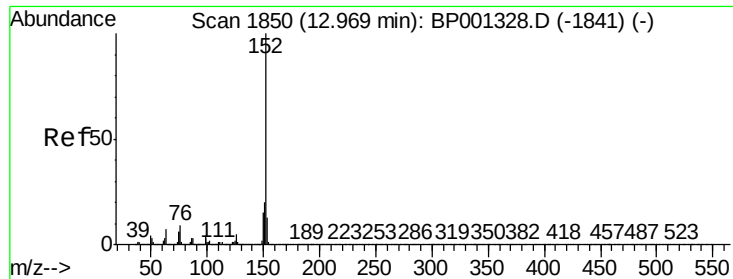
Tot Ion:172 Resp: 705824
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.7 41.5
 170 23.0 18.6 28.0



#46
 1,1'-Biphenyl
 Concen: 56.731 ng
 RT: 12.28 min Scan# 1733
 Delta R.T. 0.01 min
 Lab File: BP001372.D
 Acq: 23 Dec 2019 17:38

Tgt Ion:154 Resp: 481819
 Ion Ratio Lower Upper
 154 100
 153 40.3 20.2 60.2
 76 12.7 0.0 33.1





#49

Acenaphthylene

Concen: 4.373 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

MW-12

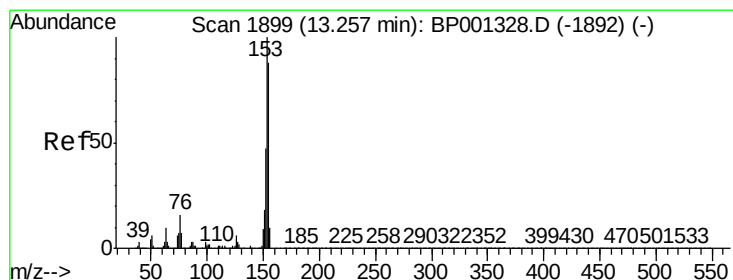
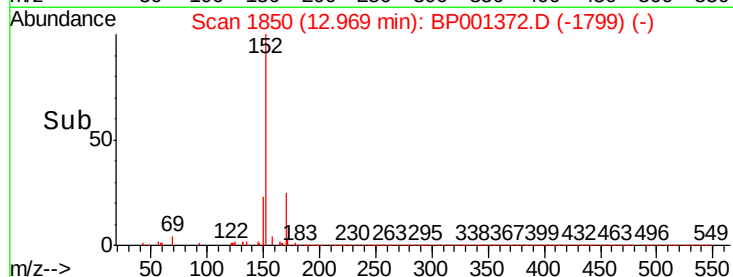
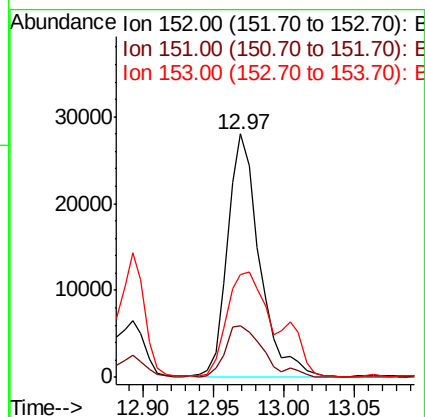
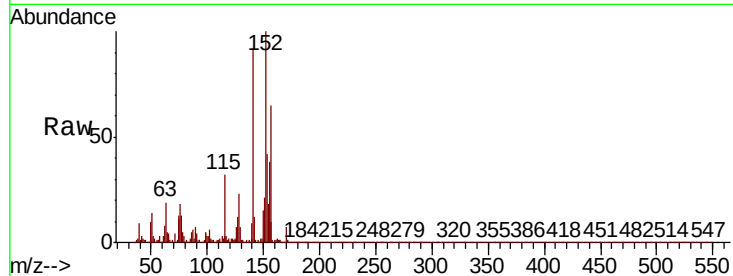
Tot Ion:152 Resp: 43891

Ion Ratio Lower Upper

152 100

151 21.4 16.2 24.2

153 42.1 10.4 15.6#



#52

Acenaphthene

Concen: 74.415 ng

RT: 13.26 min Scan# 1900

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

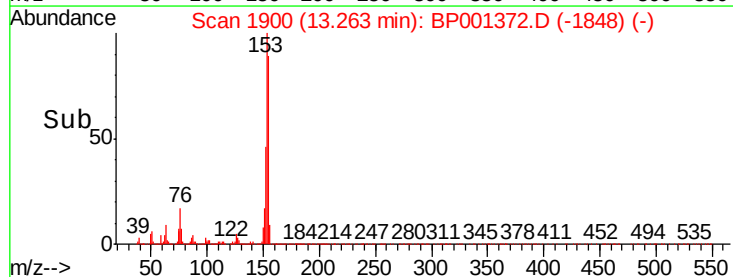
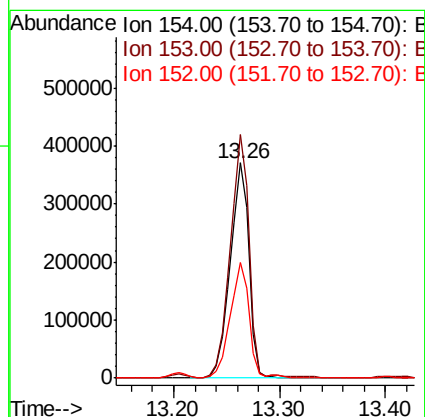
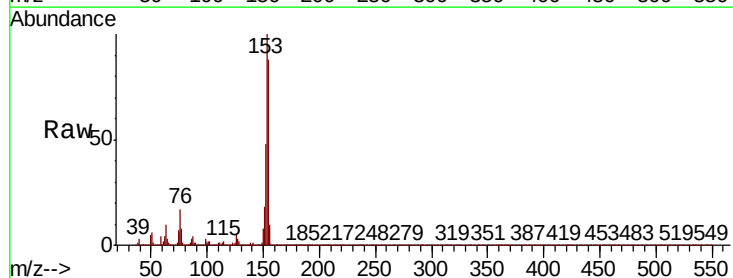
Tgt Ion:154 Resp: 450000

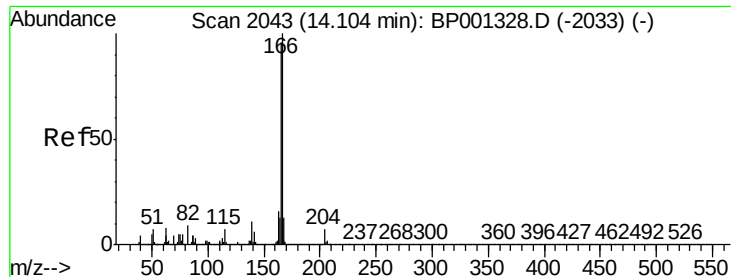
Ion Ratio Lower Upper

154 100

153 113.2 90.6 135.8

152 53.9 42.4 63.6





#58

Fluorene

Concen: 25.762 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

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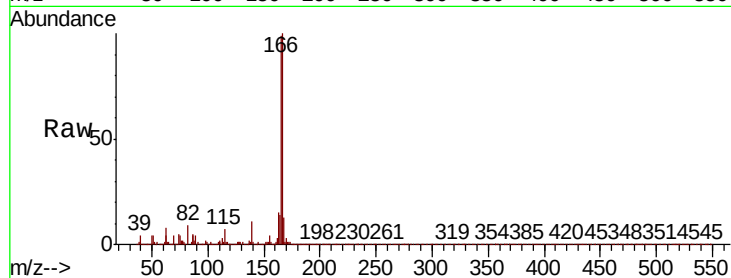
Tot Ion:166 Resp: 195232

Ion Ratio Lower Upper

166 100

165 99.4 76.9 115.3

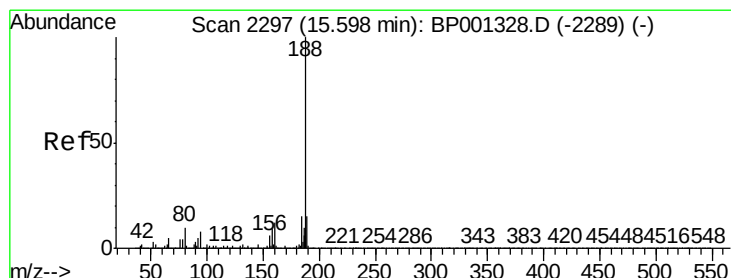
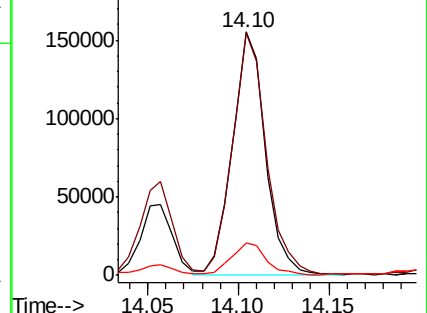
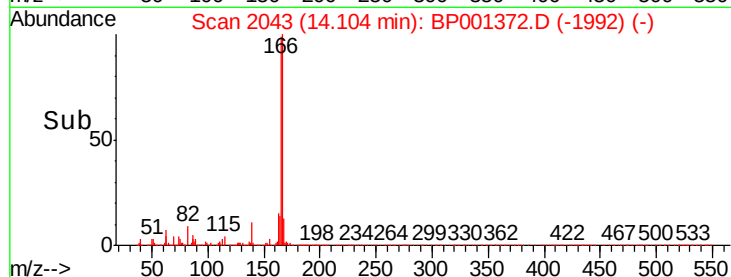
167 13.4 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

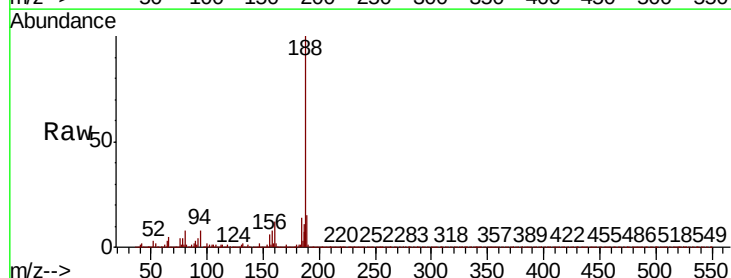
Tgt Ion:188 Resp: 188774

Ion Ratio Lower Upper

188 100

94 8.0 6.6 10.0

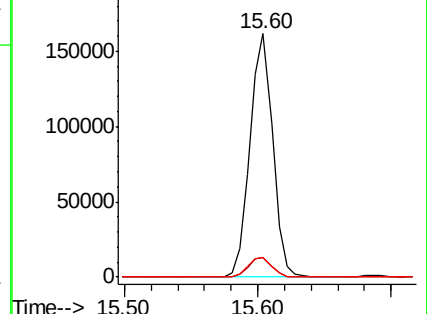
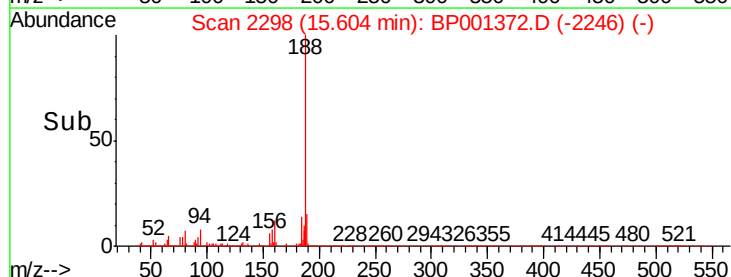
80 7.9 7.8 11.6

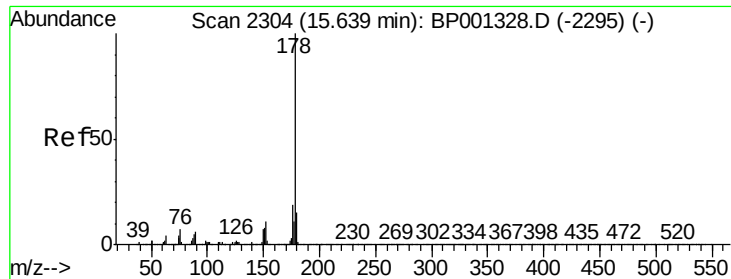


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#71

Phenanthrene

Concen: 36.888 ng

RT: 15.64 min Scan# 2304

Delta R.T. 0.00 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

MW-12

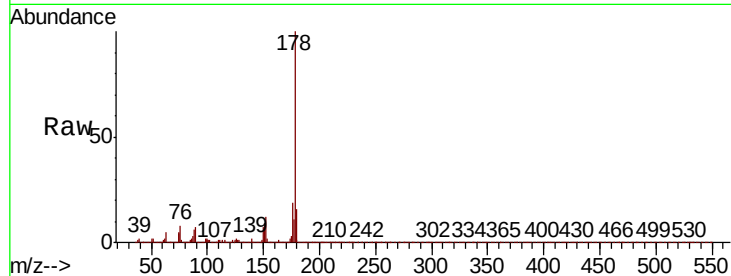
Tot Ion:178 Resp: 397292

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

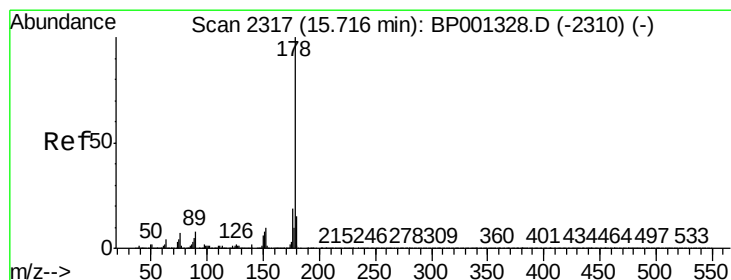
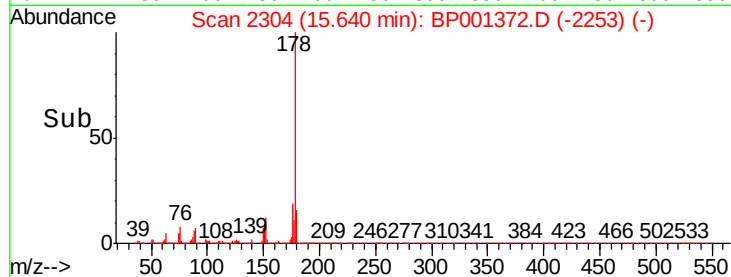
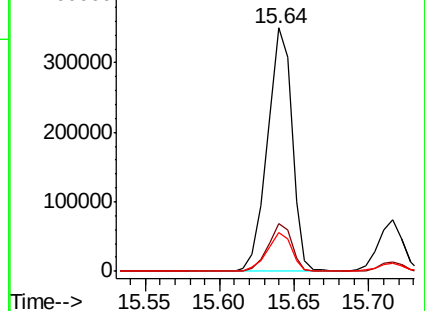
179 16.0 12.0 18.0



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: 7.849 ng

RT: 15.72 min Scan# 2317

Delta R.T. 0.00 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

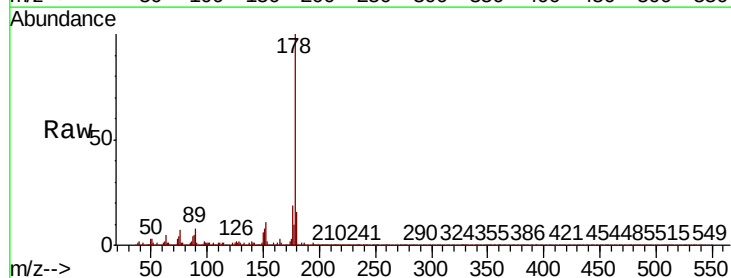
Tgt Ion:178 Resp: 83679

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

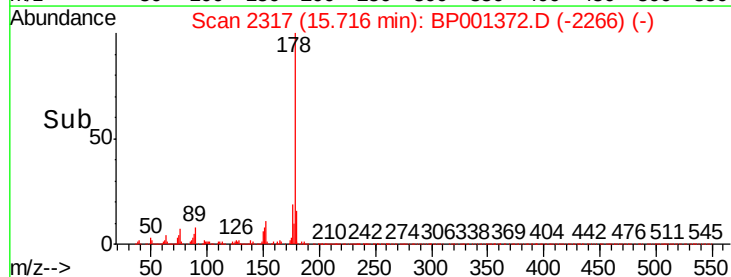
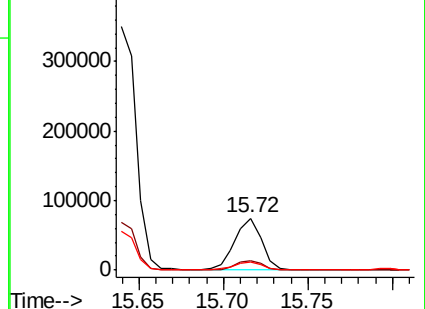
179 16.0 11.9 17.9

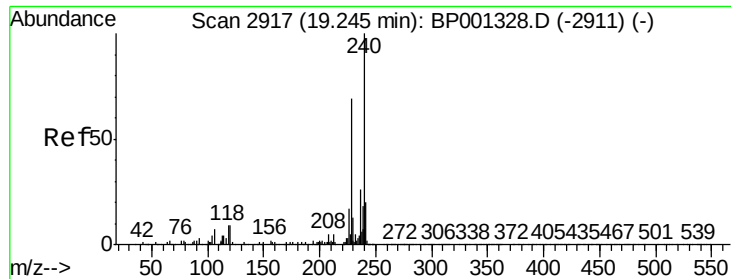


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

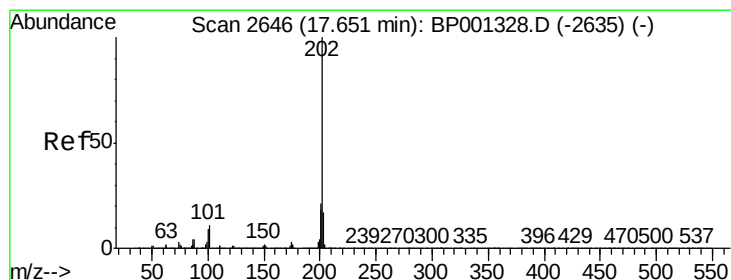
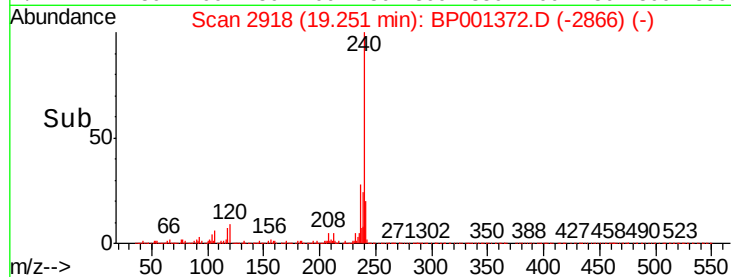
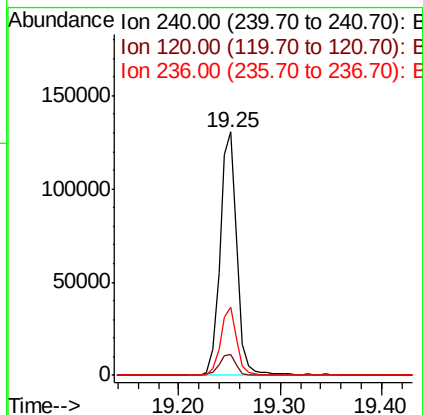
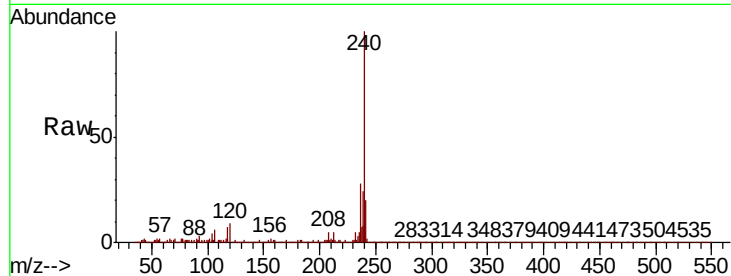




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.25 min Scan# 2918
Delta R.T. 0.01 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

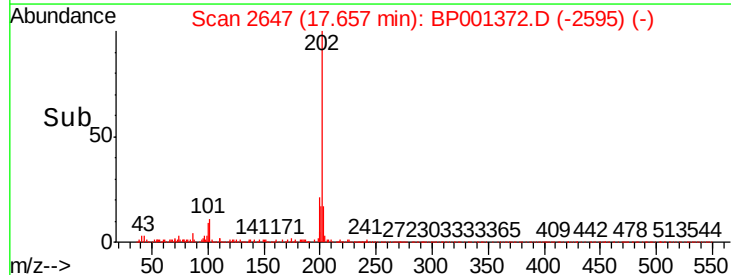
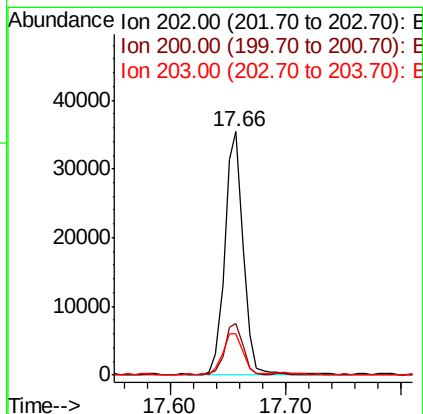
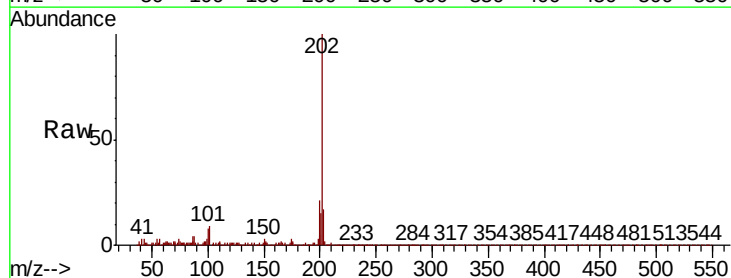
Instrument :
BNA_P
ClientSampleId :
MW-12

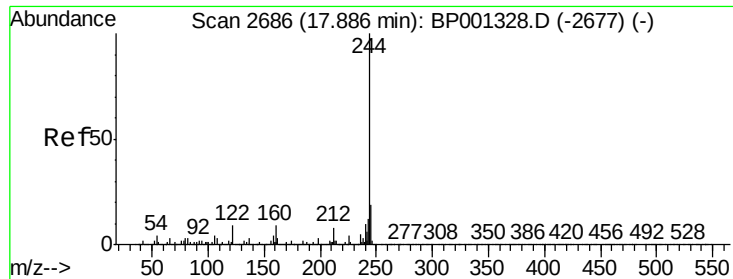
Tot Ion:240 Resp: 148573
Ion Ratio Lower Upper
240 100
120 8.7 7.6 11.4
236 28.0 21.0 31.4



#78
Pyrene
Concen: 3.368 ng
RT: 17.66 min Scan# 2647
Delta R.T. 0.01 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

Tgt Ion:202 Resp: 38857
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 16.9 13.8 20.8





#79

Terphenyl-d14

Concen: 94.449 ng

RT: 17.89 min Scan# 2687

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

MW-12

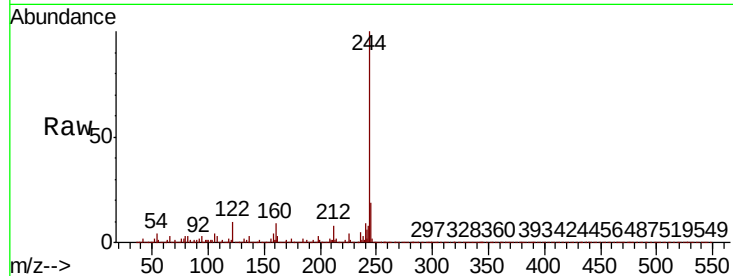
Tot Ion:244 Resp: 819290

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

122 10.1 7.6 11.4

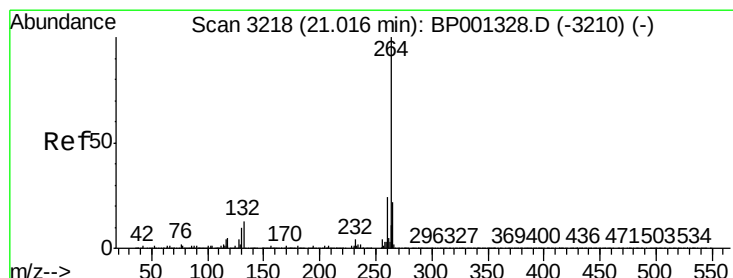
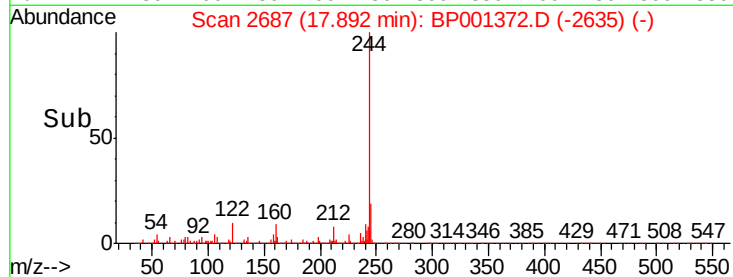
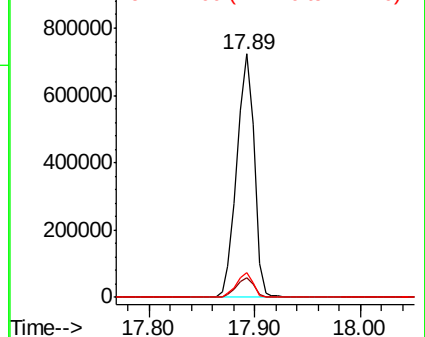


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 21.03 min Scan# 3220

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

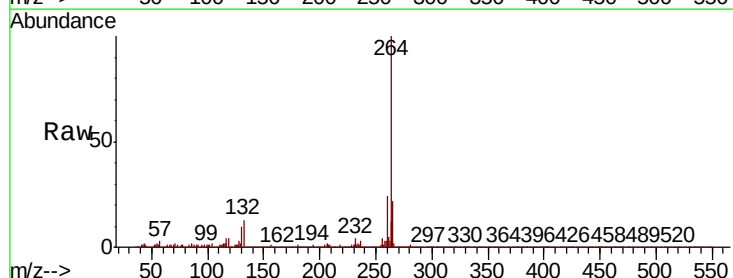
Tgt Ion:264 Resp: 153122

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.2 17.4 26.2



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

