

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120319\
 Data File : BP001170.D
 Acq On : 03 Dec 2019 22:37
 Operator : JU
 Sample : K6027-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-14

Quant Time: Dec 06 04:27:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 17:38:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	112804	20.00	ng	-0.01
21) Naphthalene-d8	10.39	136	355164	20.00	ng	0.02
39) Acenaphthene-d10	13.21	164	221778	20.00	ng	-0.02
64) Phenanthrene-d10	15.61	188	425018	20.00	ng	-0.02
76) Chrysene-d12	19.25	240	347455	20.00	ng	-0.02
87) Perylene-d12	21.03	264	365813	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.22	112	555406	81.69	ng	0.00
7) Phenol-d6	7.76	99	471781	52.08	ng	0.00
23) Nitrobenzene-d5	9.20	82	738485	90.21	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	277526	130.55	ng	-0.02
45) 2-Fluorobiphenyl	12.13	172	1170541	77.25	ng	-0.02
79) Terphenyl-d14	17.90	244	1457323	77.60	ng	-0.02

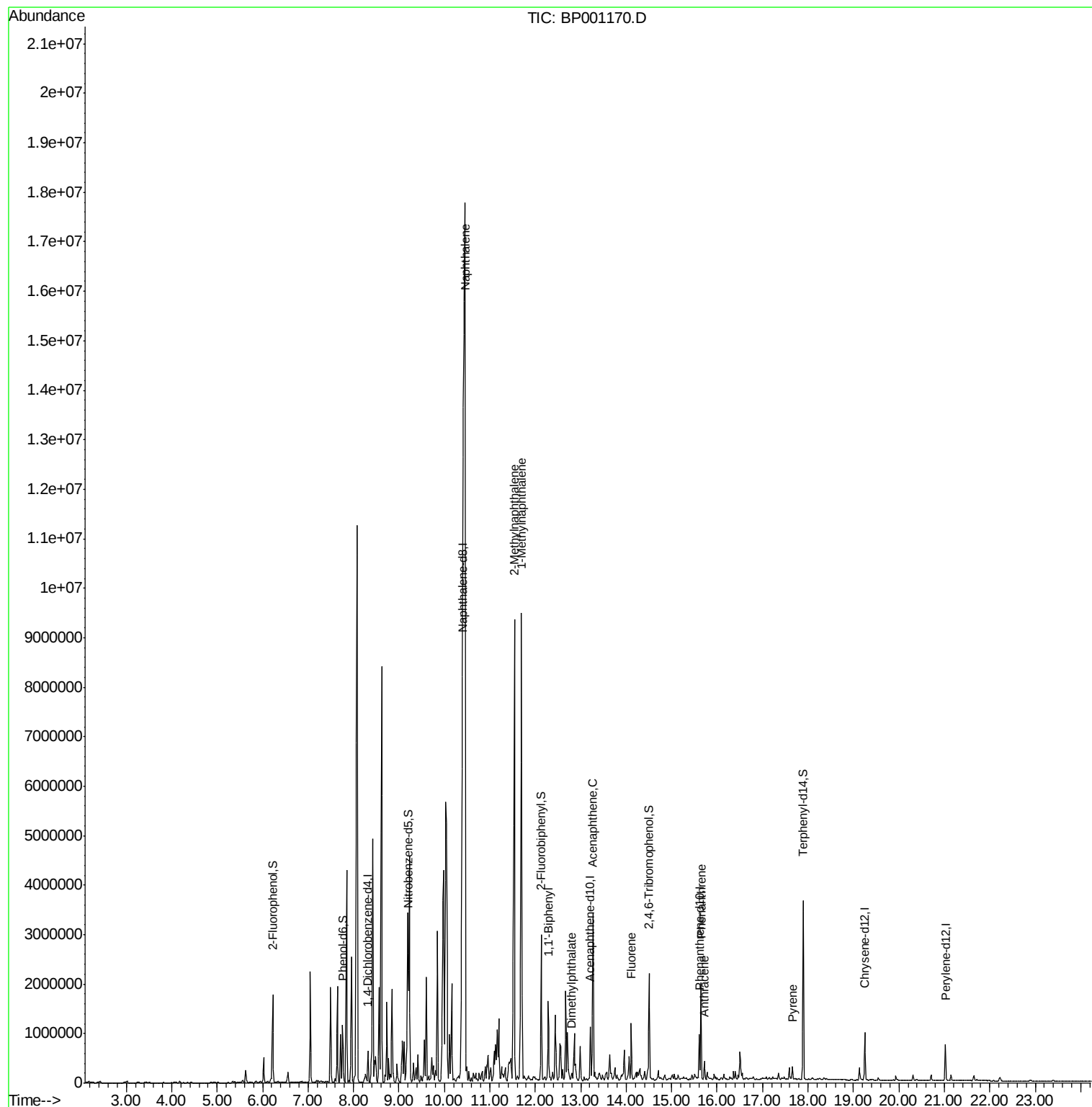
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.46	128	29115022	1605.098	ng	# 92
37) 2-Methylnaphthalene	11.54	142	4214965	340.539	ng	98
38) 1-Methylnaphthalene	11.70	142	4350613	372.097	ng	100
46) 1,1'-Biphenyl	12.29	154	598698	34.930	ng	99
50) Dimethylphthalate	12.80	163	54623	3.293	ng	98
52) Acenaphthene	13.27	154	1013696	82.116	ng	99
58) Fluorene	14.11	166	380696	25.611	ng	100
71) Phenanthrene	15.65	178	860411	38.506	ng	100
72) Anthracene	15.72	178	174046	7.903	ng	99
78) Pyrene	17.66	202	110962	4.055	ng	99

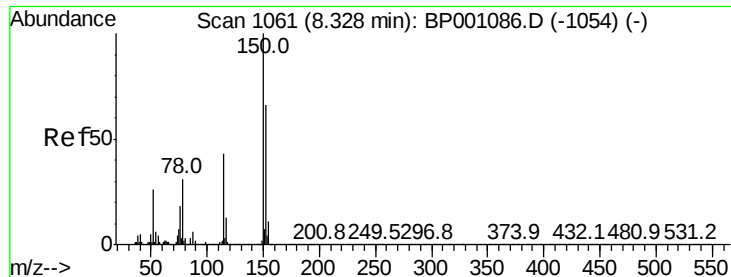
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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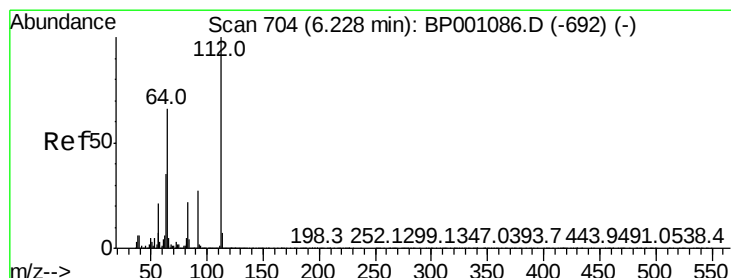
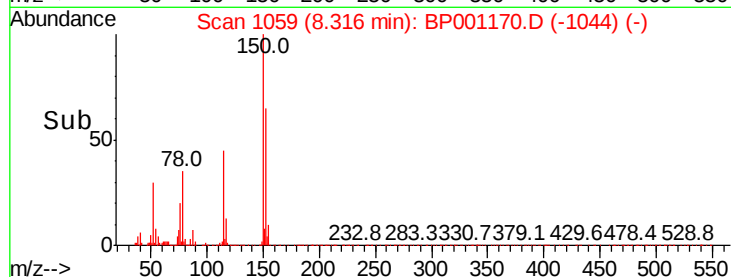
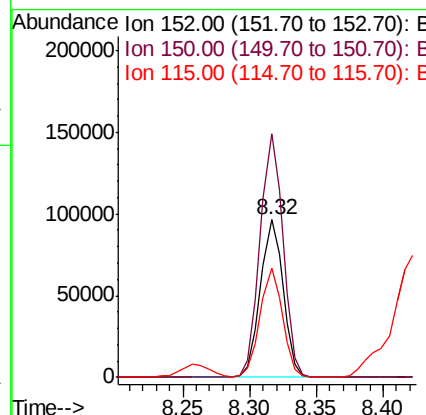
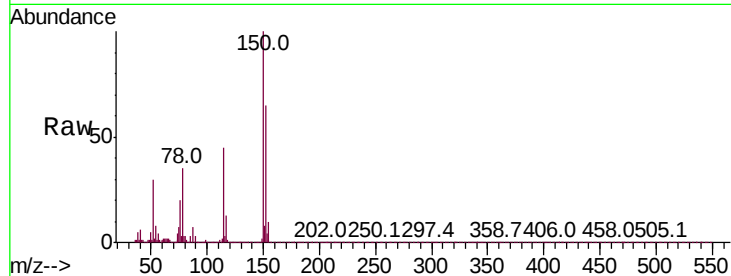




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.32 min Scan# 1059
 Delta R.T. -0.01 min
 Lab File: BP001170.D
 Acq: 03 Dec 2019 22:37

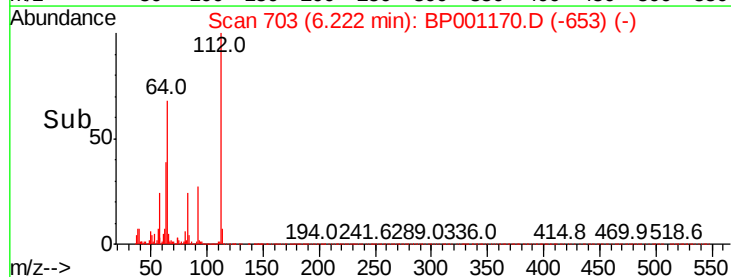
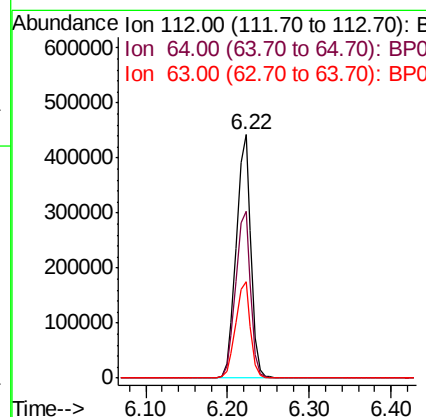
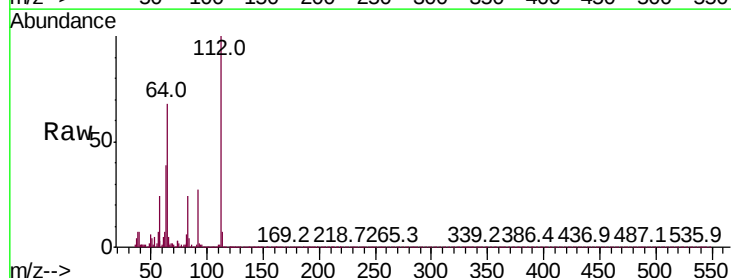
Instrument :
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 MW-14

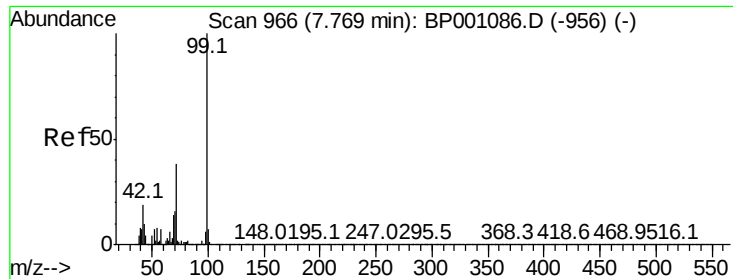
Tot Ion:152 Resp: 112804
 Ion Ratio Lower Upper
 152 100
 150 154.4 120.6 181.0
 115 69.1 51.6 77.4



#5
 2-Fluorophenol
 Concen: 81.687 ng
 RT: 6.22 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BP001170.D
 Acq: 03 Dec 2019 22:37

Tgt Ion:112 Resp: 555406
 Ion Ratio Lower Upper
 112 100
 64 68.3 52.8 79.2
 63 39.4 28.2 42.2





#7

Phenol-d6

Concen: 52.083 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BP001170.D

Acq: 03 Dec 2019 22:37

Instrument :

BNA_P

ClientSampleId :

MW-14

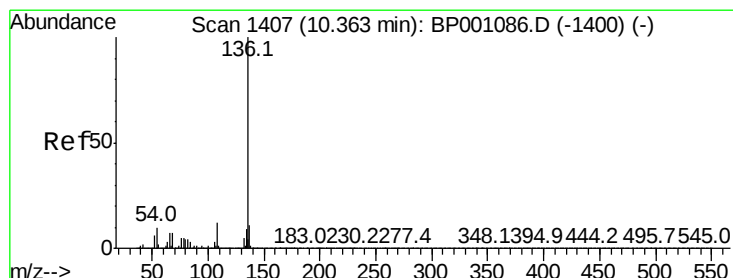
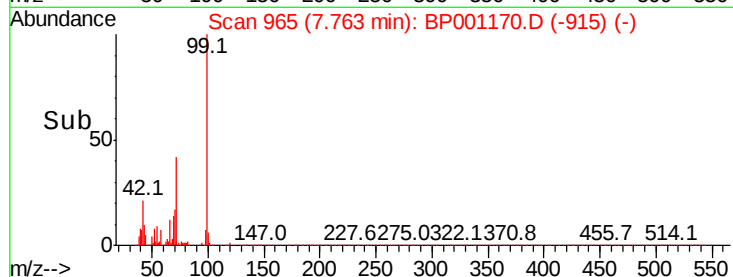
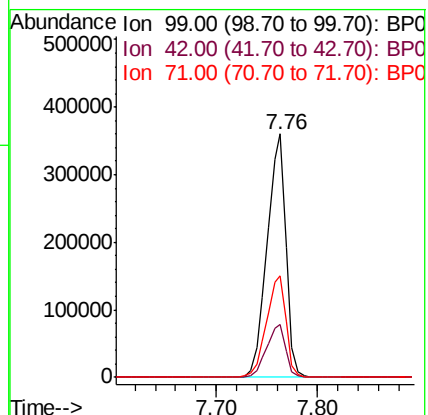
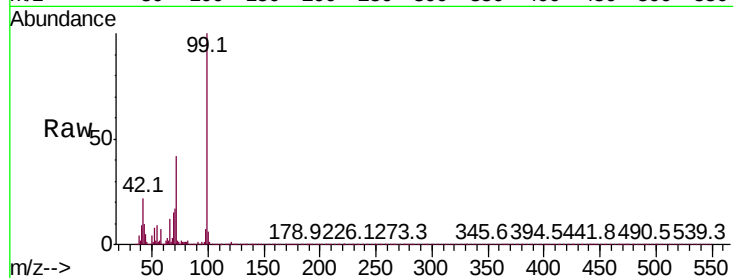
Tot Ion: 99 Resp: 471781

Ion Ratio Lower Upper

99 100

42 21.5 15.4 23.0

71 41.6 30.8 46.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.39 min Scan# 1411

Delta R.T. 0.02 min

Lab File: BP001170.D

Acq: 03 Dec 2019 22:37

Tgt Ion: 136 Resp: 355164

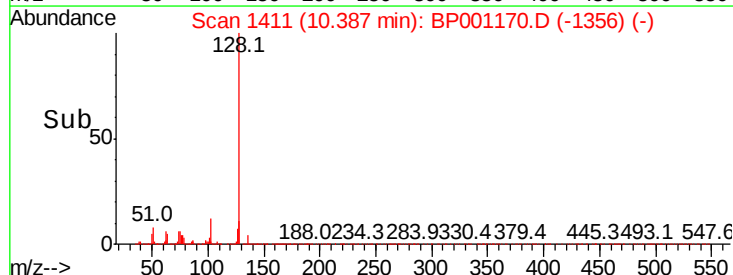
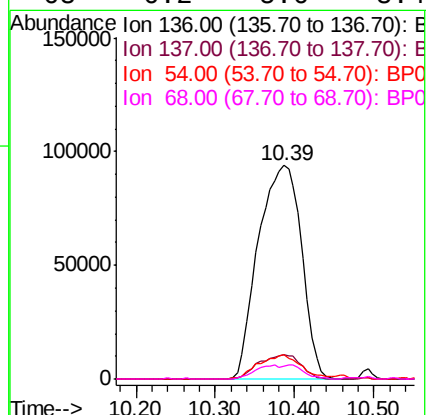
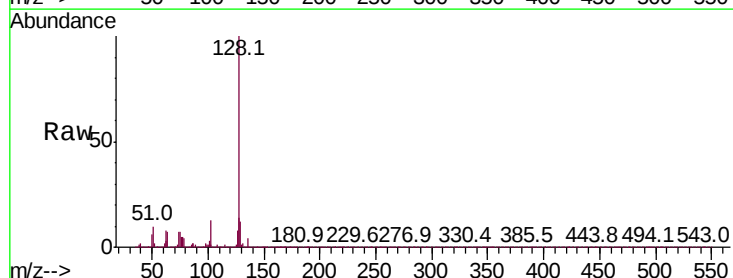
Ion Ratio Lower Upper

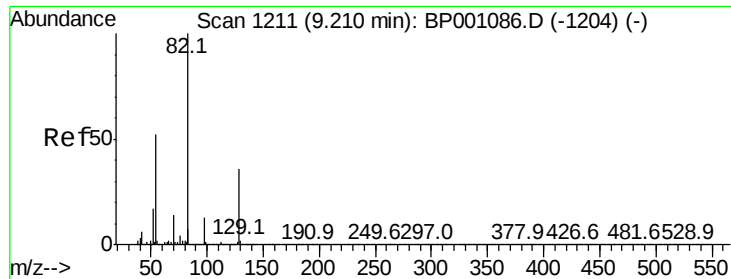
136 100

137 11.4 8.8 13.2

54 11.2 7.9 11.9

68 6.2 5.6 8.4

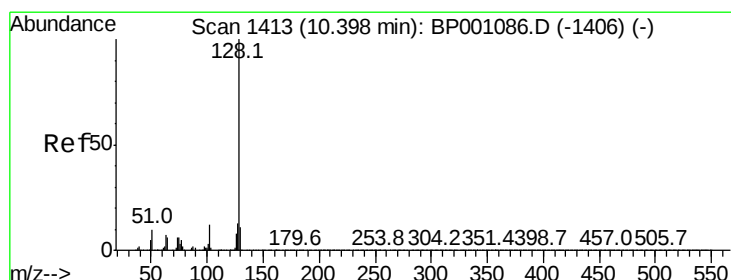
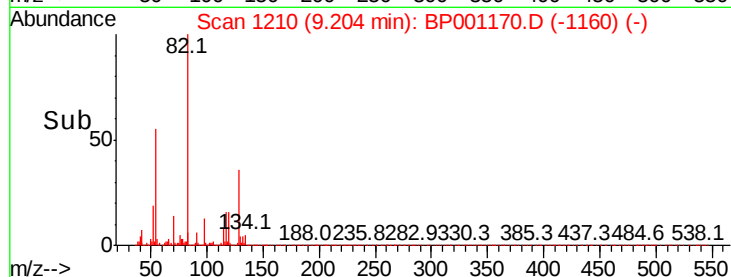
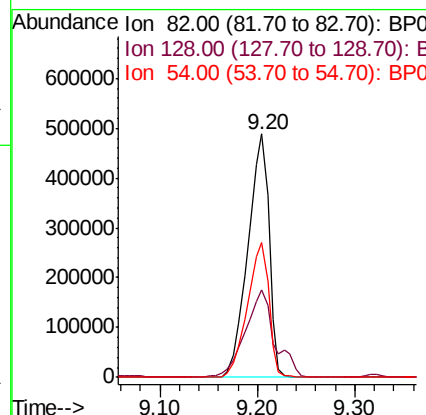
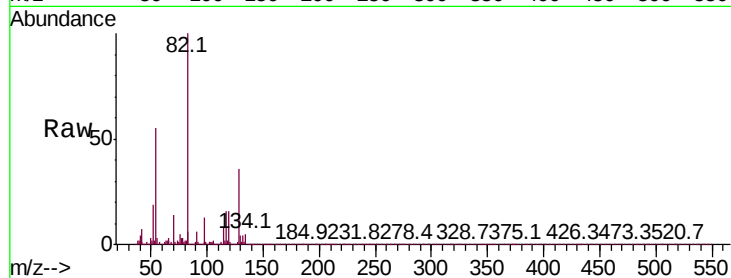




#23
Nitrobenzene-d5
Concen: 90.211 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

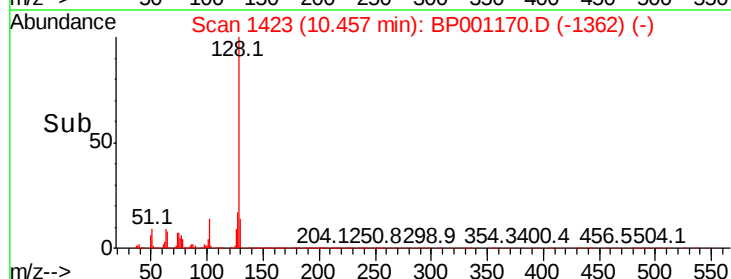
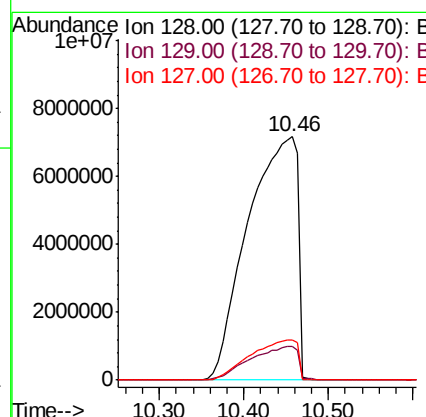
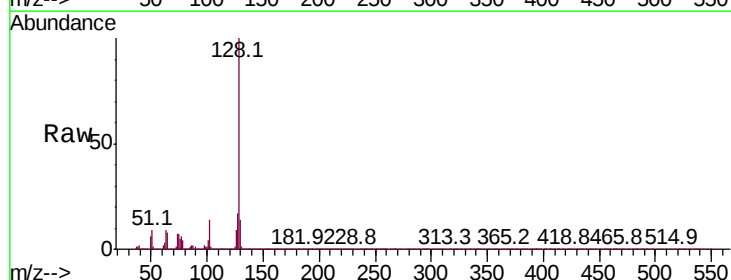
Instrument :
BNA_P
ClientSampled :
MW-14

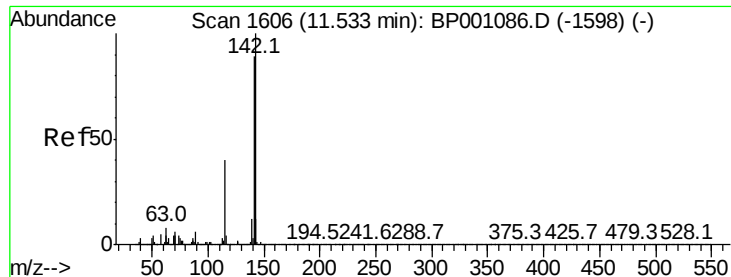
Tot Ion	82	Resp	738485
Ion Ratio	Lower	Upper	
82	100		
128	35.7	28.9	43.3
54	55.3	41.9	62.9



#31
Naphthalene
Concen: 1605.098 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.06 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

Tgt Ion	128	Resp	29115022
Ion Ratio	Lower	Upper	
128	100		
129	13.6	8.8	13.2#
127	16.7	10.6	16.0#

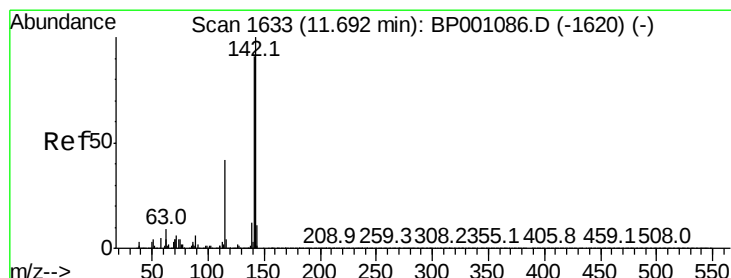
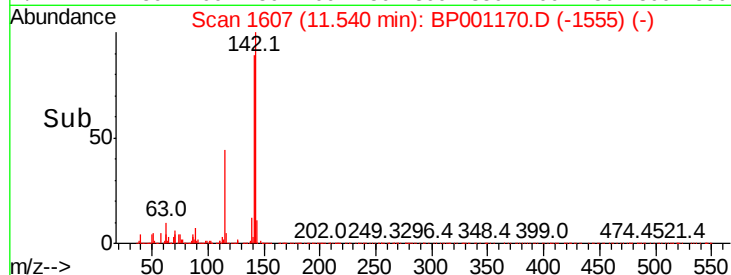
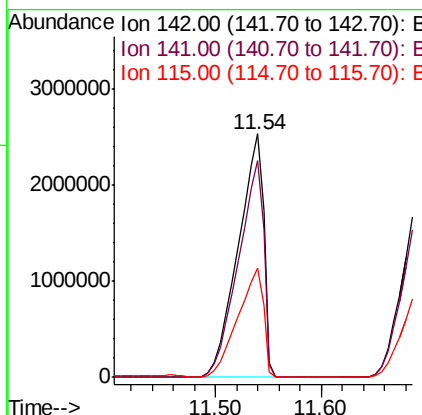
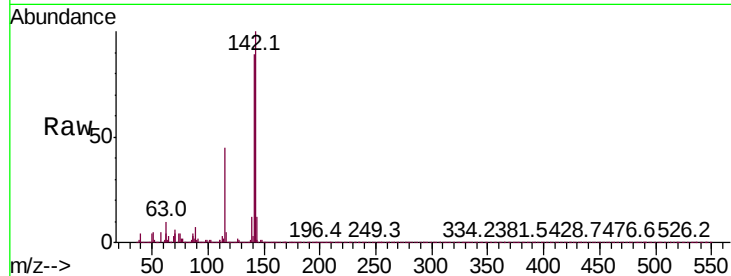




#37
2-Methylnaphthalene
Concen: 340.539 ng
RT: 11.54 min Scan# 1607
Delta R.T. 0.01 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

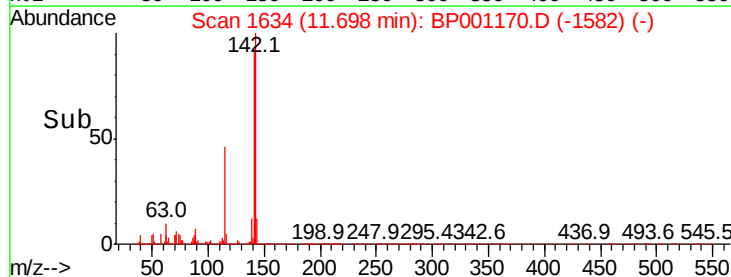
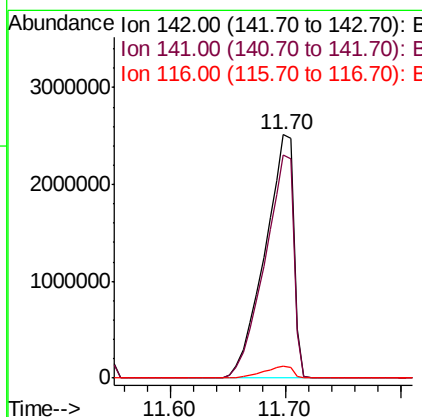
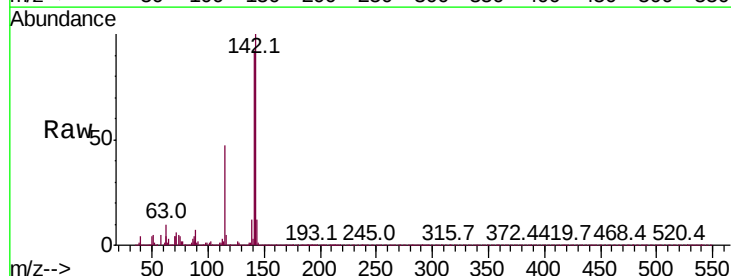
Instrument :
BNA_P
ClientSampleId :
MW-14

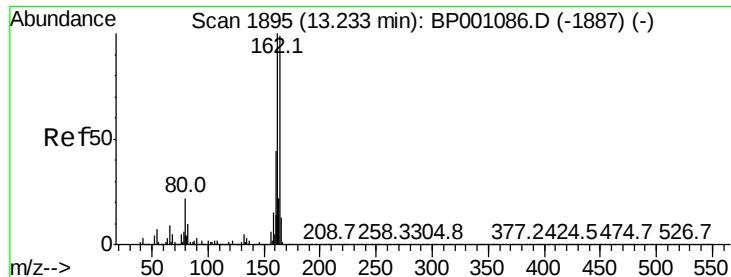
Tot Ion:142 Resp: 4214965
Ion Ratio Lower Upper
142 100
141 88.9 71.1 106.7
115 44.7 32.3 48.5



#38
1-Methylnaphthalene
Concen: 372.097 ng
RT: 11.70 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

Tgt Ion:142 Resp: 4350613
Ion Ratio Lower Upper
142 100
141 91.6 73.0 109.4
116 4.9 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.21 min Scan# 1891

Delta R.T. -0.02 min

Lab File: BP001170.D

Acq: 03 Dec 2019 22:37

Instrument :

BNA_P

ClientSampleId :

MW-14

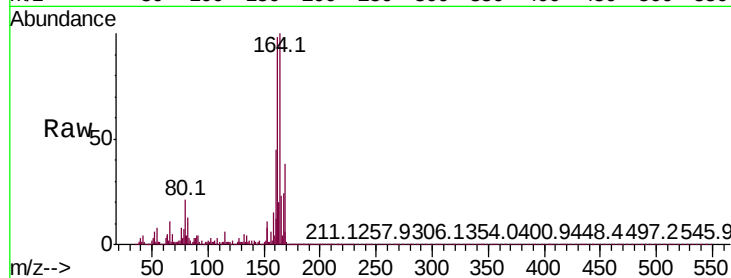
Tot Ion:164 Resp: 221778

Ion Ratio Lower Upper

164 100

162 97.9 80.6 120.8

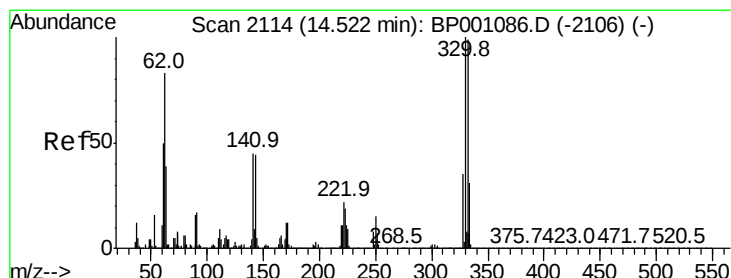
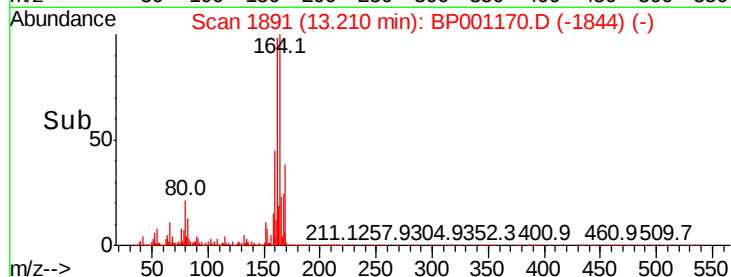
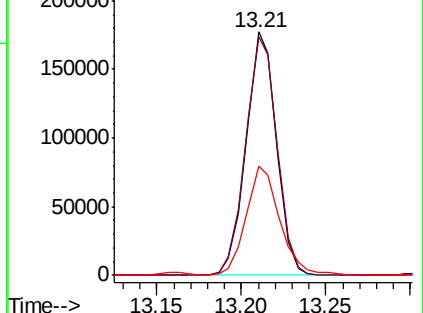
160 44.9 35.4 53.2



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: 130.555 ng

RT: 14.50 min Scan# 2111

Delta R.T. -0.02 min

Lab File: BP001170.D

Acq: 03 Dec 2019 22:37

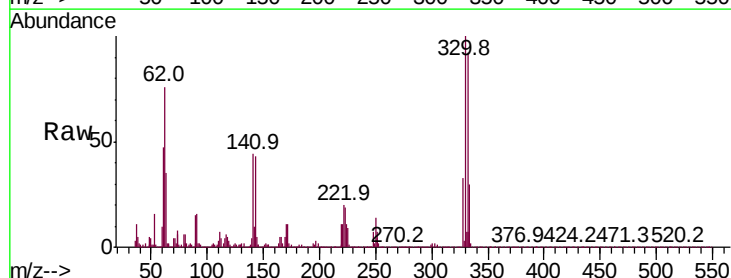
Tgt Ion:330 Resp: 277526

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

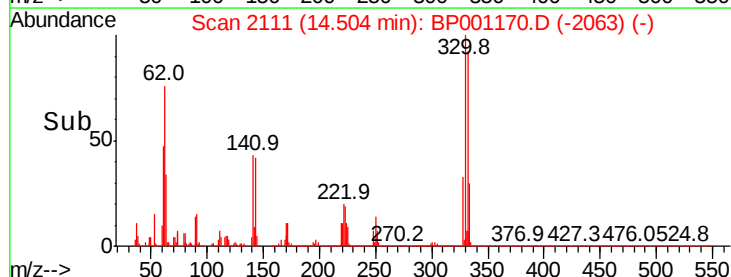
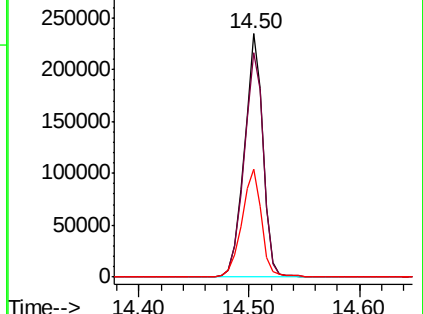
141 46.2 34.2 51.2

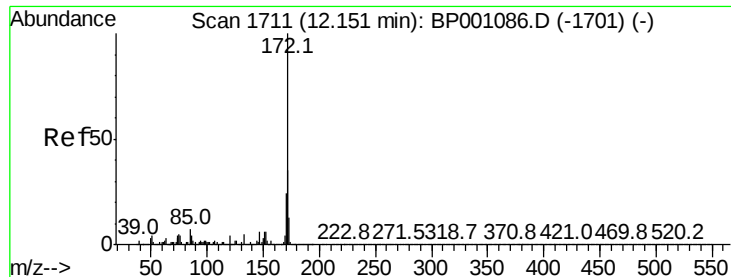


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

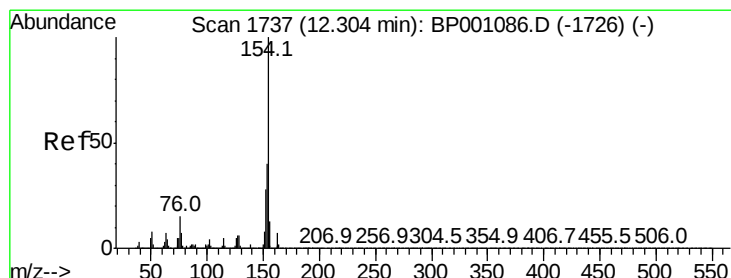
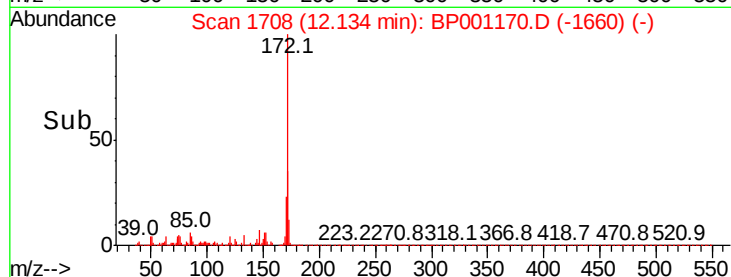
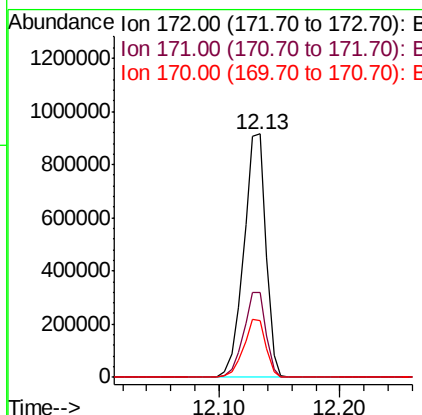
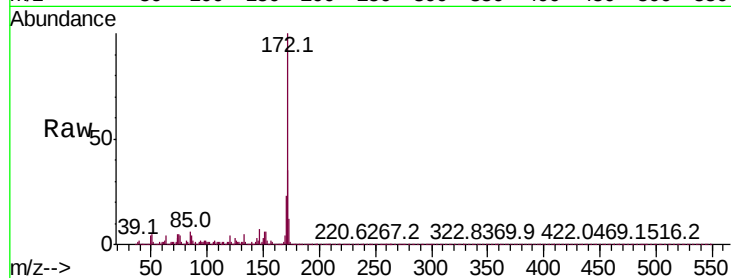




#45
2-Fluorobiphenyl
Concen: 77.247 ng
RT: 12.13 min Scan# 1708
Delta R.T. -0.02 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

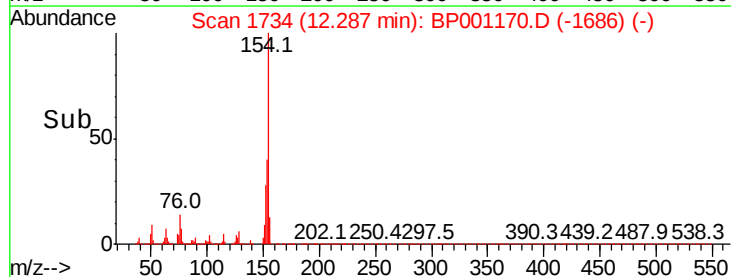
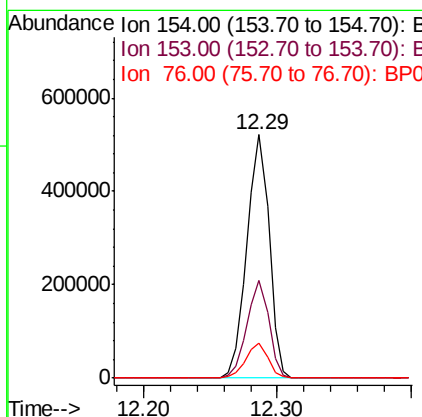
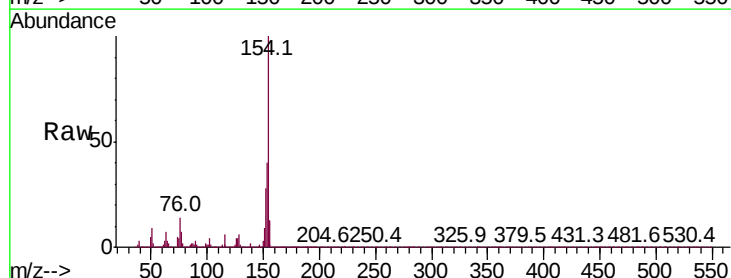
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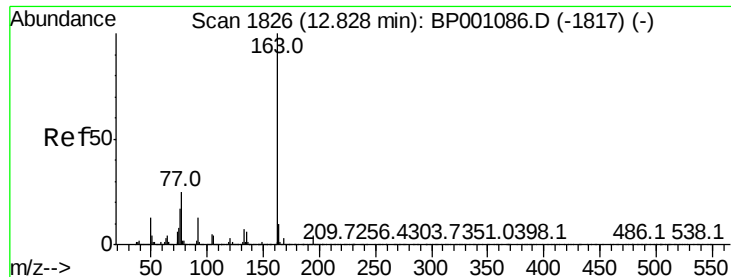
Tot Ion:172 Resp: 1170541
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.4 19.0 28.4



#46
1,1'-Biphenyl
Concen: 34.930 ng
RT: 12.29 min Scan# 1734
Delta R.T. -0.02 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

Tgt Ion:154 Resp: 598698
Ion Ratio Lower Upper
154 100
153 39.9 20.2 60.2
76 14.1 0.0 34.5

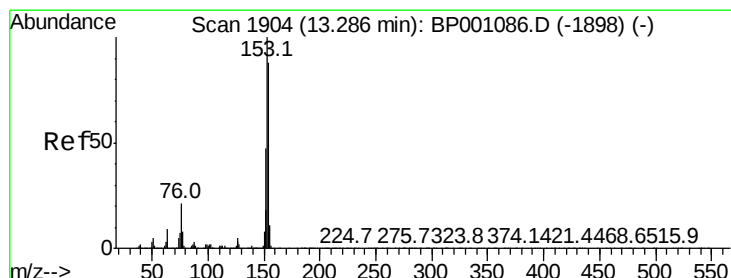
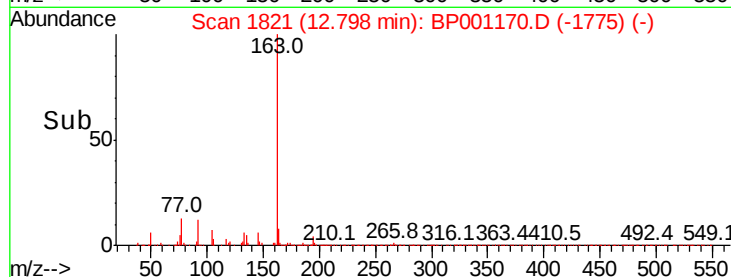
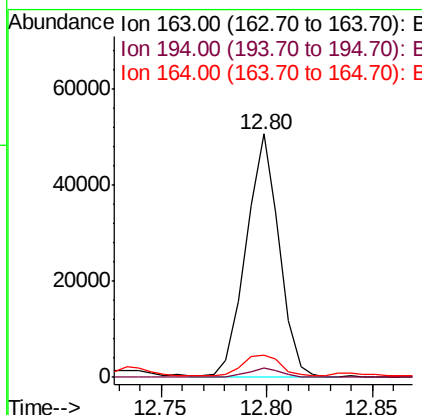
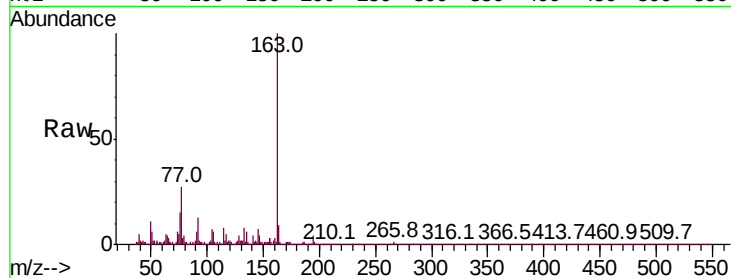




#50
Dimethylphthalate
Concen: 3.293 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.03 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

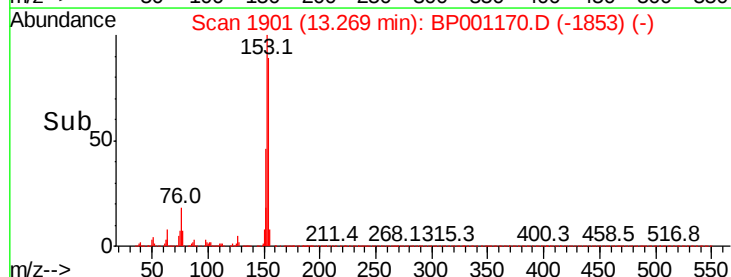
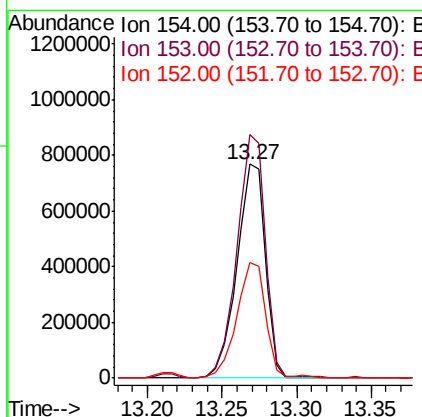
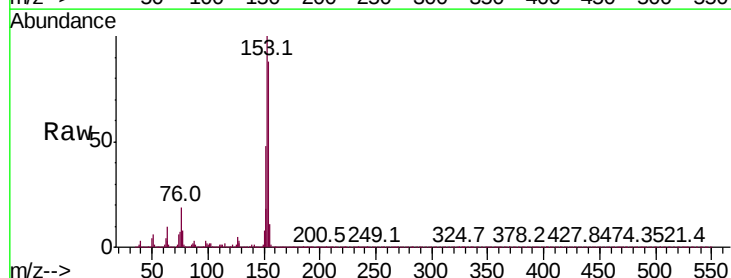
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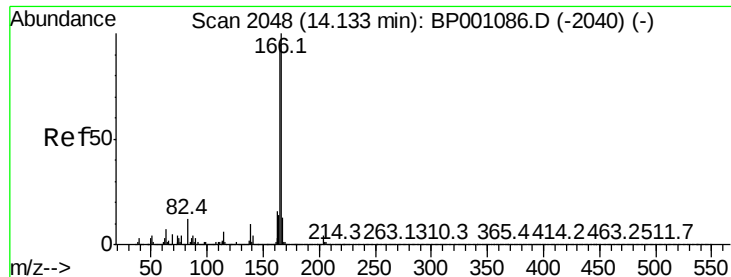
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	9.1	8.1	12.1



#52
Acenaphthene
Concen: 82.116 ng
RT: 13.27 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.8	90.5	135.7
152	54.3	42.6	64.0





#58

Fluorene

Concen: 25.611 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BP001170.D

Acq: 03 Dec 2019 22:37

Instrument :

BNA_P

ClientSampleId :

MW-14

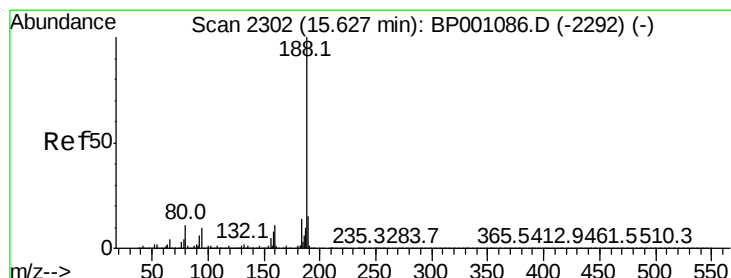
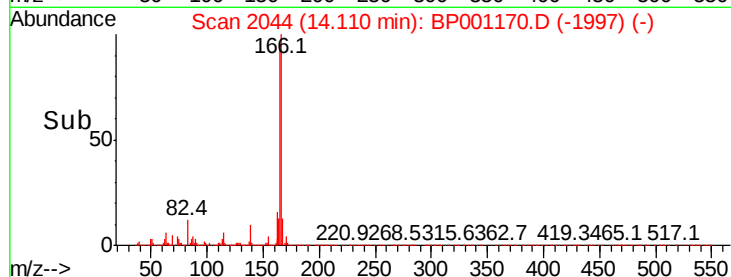
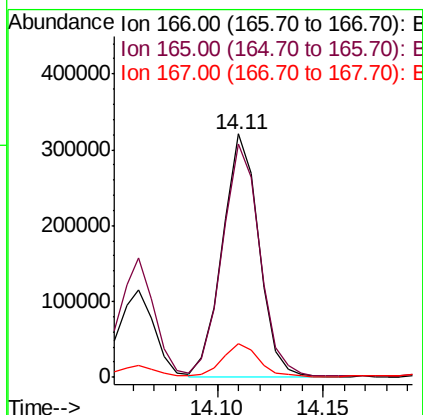
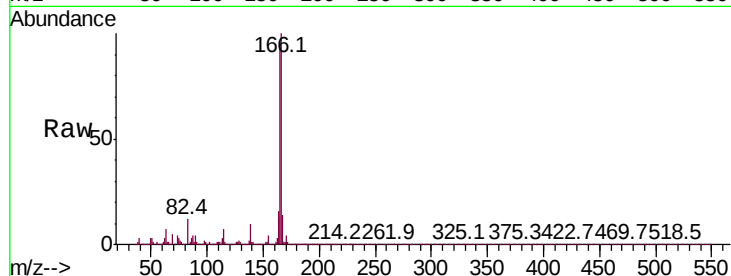
Tot Ion:166 Resp: 380696

Ion Ratio Lower Upper

166 100

165 96.0 76.7 115.1

167 14.0 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BP001170.D

Acq: 03 Dec 2019 22:37

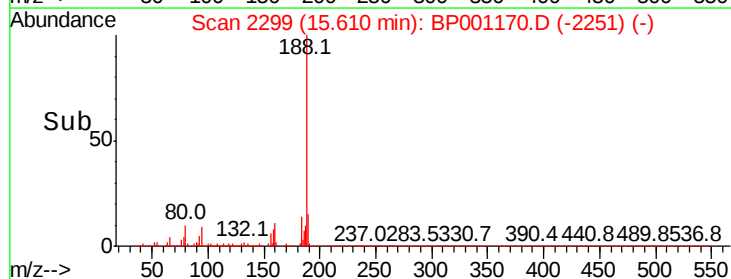
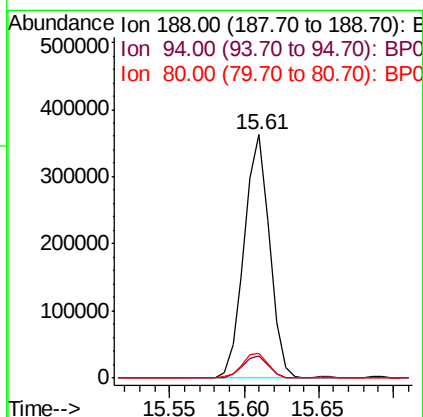
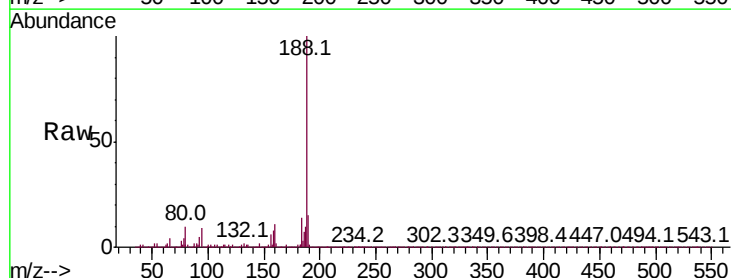
Tgt Ion:188 Resp: 425018

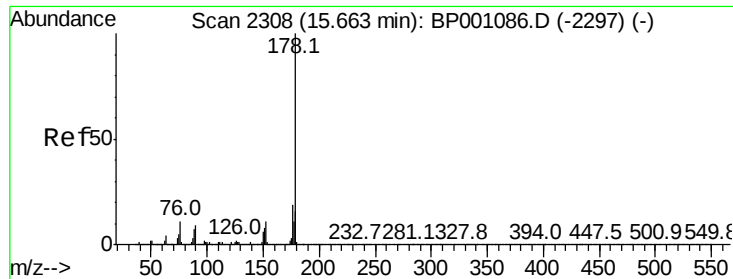
Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.3 8.8 13.2





#71

Phenanthrene

Concen: 38.506 ng

RT: 15.65 min Scan# 2305

Delta R.T. -0.02 min

Lab File: BP001170.D

Acq: 03 Dec 2019 22:37

Instrument :

BNA_P

ClientSampleId :

MW-14

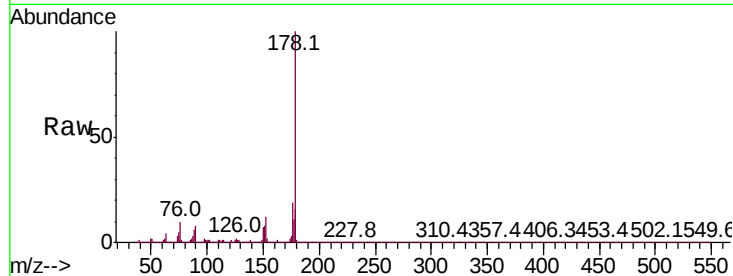
Tot Ion:178 Resp: 860411

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

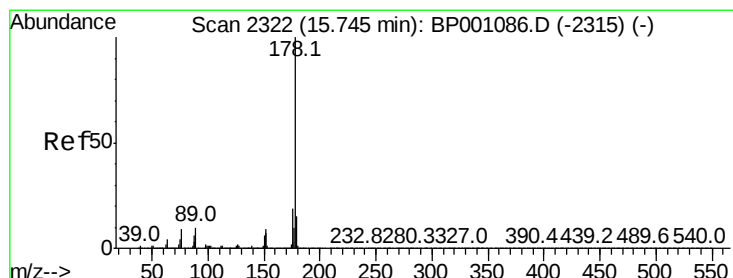
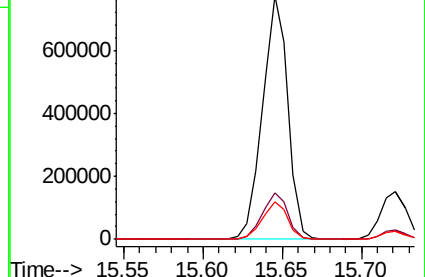
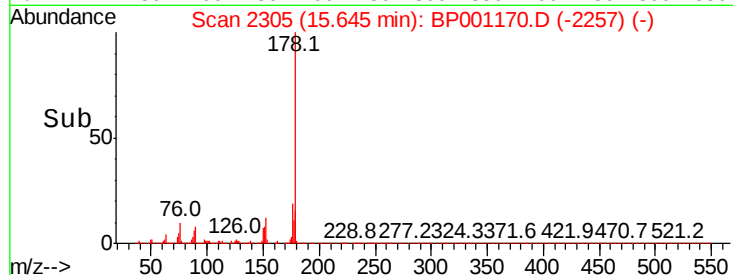
179 15.5 12.5 18.7



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: 7.903 ng

RT: 15.72 min Scan# 2318

Delta R.T. -0.02 min

Lab File: BP001170.D

Acq: 03 Dec 2019 22:37

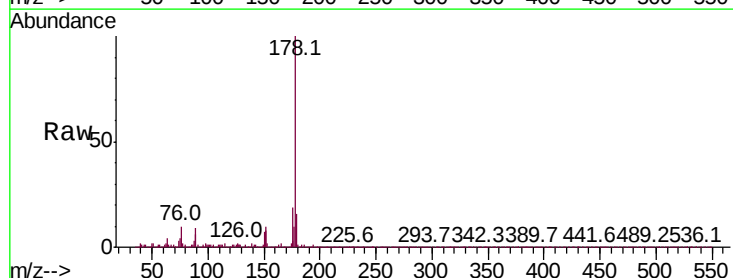
Tgt Ion:178 Resp: 174046

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

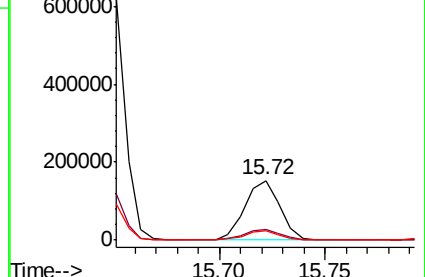
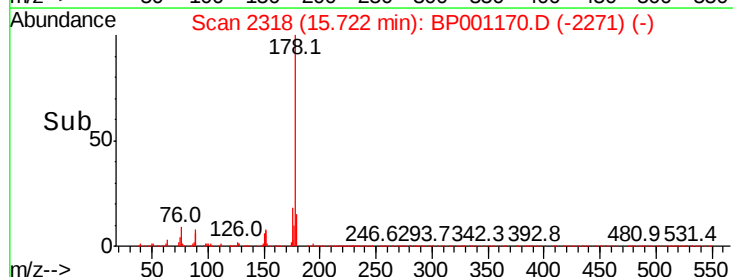
179 15.9 12.2 18.4

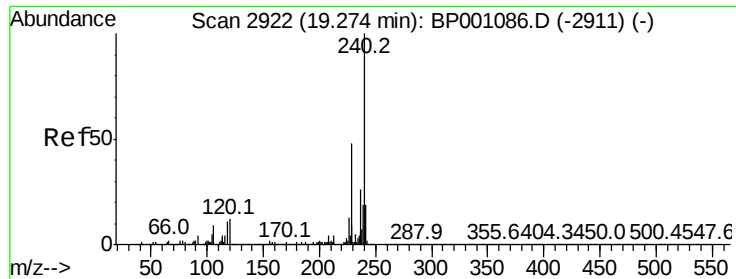


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

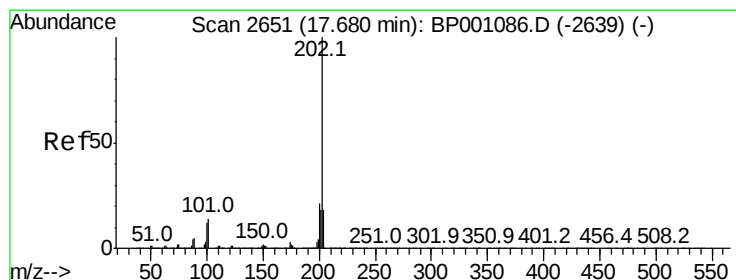
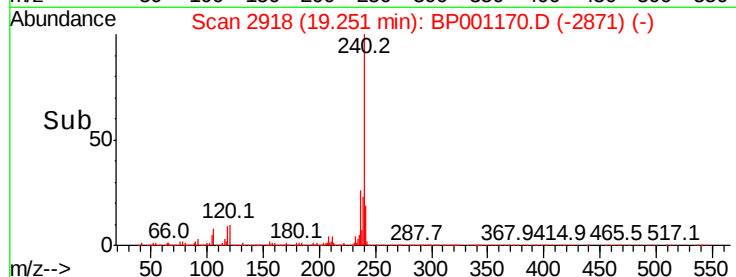
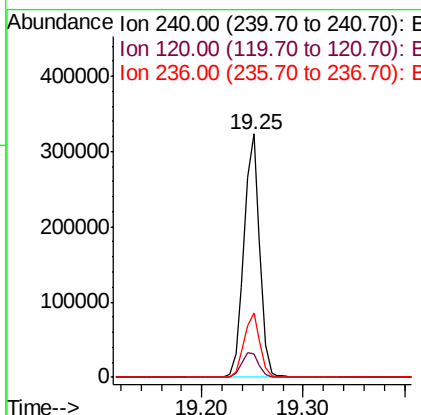
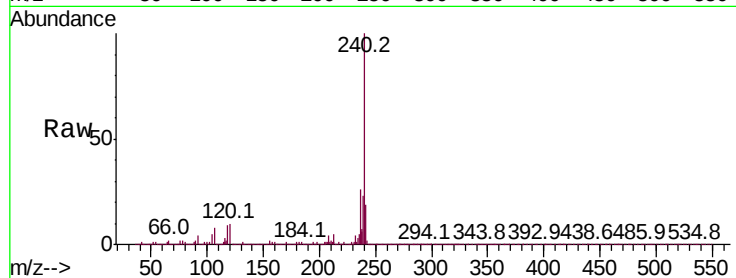




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.25 min Scan# 2918
Delta R.T. -0.02 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

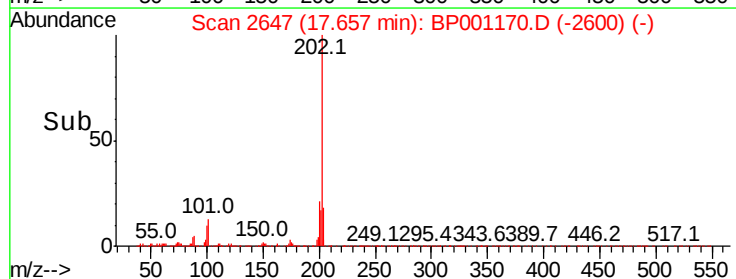
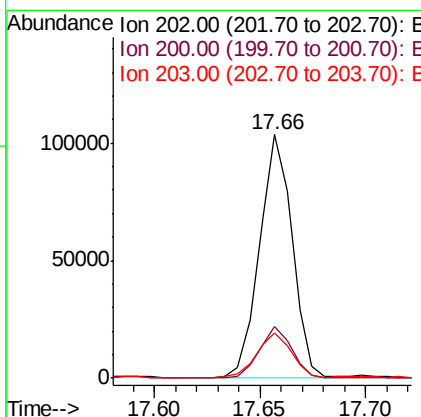
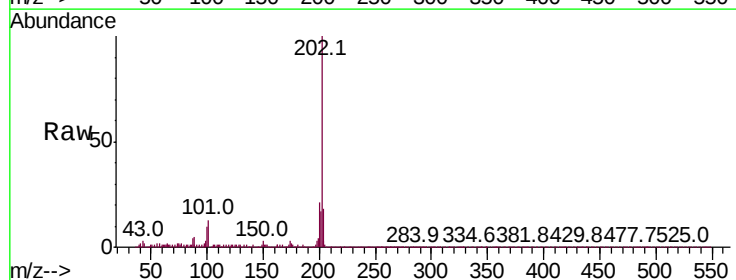
Instrument :
BNA_P
ClientSampleId :
MW-14

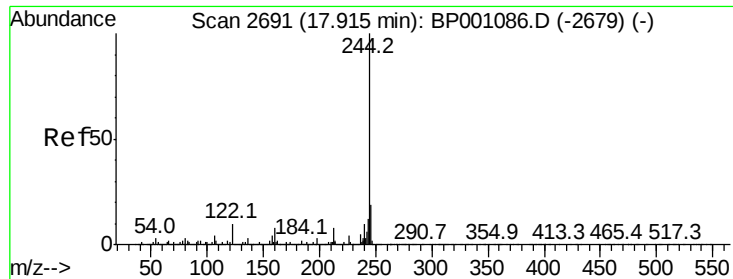
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	26.4	20.4	30.6



#78
Pyrene
Concen: 4.055 ng
RT: 17.66 min Scan# 2647
Delta R.T. -0.02 min
Lab File: BP001170.D
Acq: 03 Dec 2019 22:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	18.4	14.1	21.1



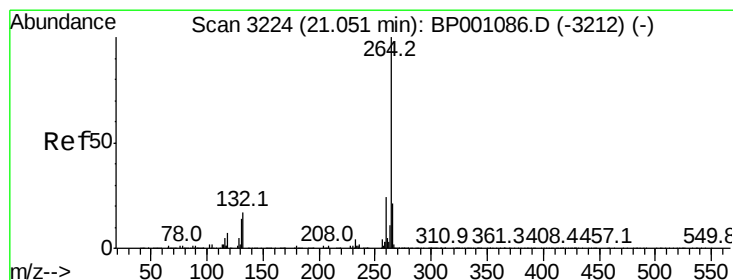
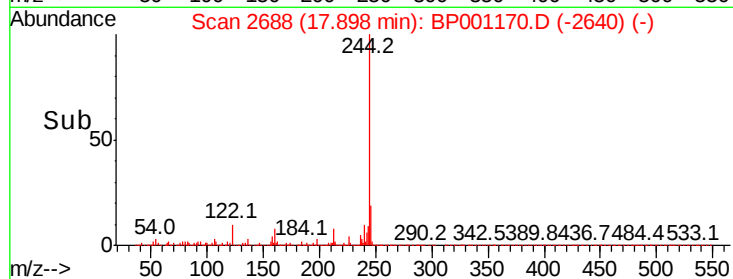
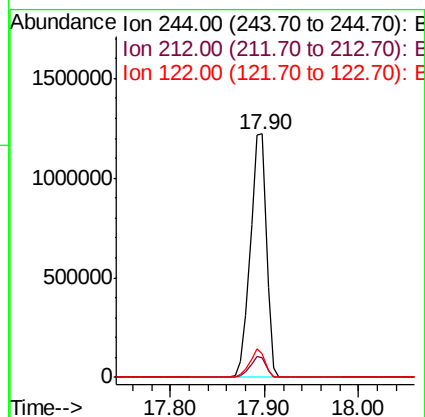
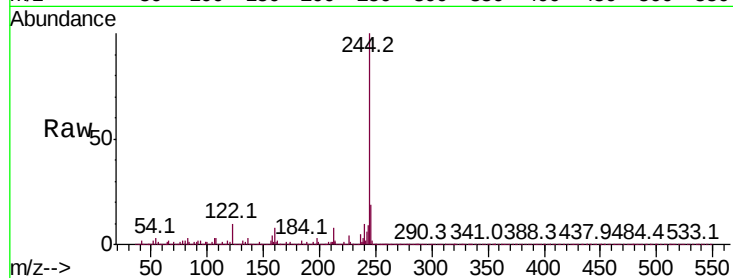


#79
 Terphenyl-d14
 Concen: 77.598 ng
 RT: 17.90 min Scan# 2688
 Delta R.T. -0.02 min
 Lab File: BP001170.D
 Acq: 03 Dec 2019 22:37

Instrument :
 BNA_P
 ClientSampleId :
 MW-14

Tot Ion:244 Resp: 1457323

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	9.6	8.2	12.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 21.03 min Scan# 3220
 Delta R.T. -0.02 min
 Lab File: BP001170.D
 Acq: 03 Dec 2019 22:37

Tgt Ion:264 Resp: 365813

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.1	16.9	25.3

