

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000859.D
 Acq On : 18 Oct 2019 01:04
 Operator : JU
 Sample : K5401-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR200031-RT4221

Quant Time: Oct 18 06:15:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	187232	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	668642	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	368445	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	678063	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	587279	20.00	ng	-0.01
87) Perylene-d12	15.45	264	653937	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	955454	82.03	ng	-0.02
7) Phenol-d6	6.39	99	1192618	84.97	ng	-0.02
23) Nitrobenzene-d5	7.31	82	663351	60.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	360939	91.93	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1306692	57.38	ng	-0.02
79) Terphenyl-d14	12.90	244	1575504	54.32	ng	-0.01

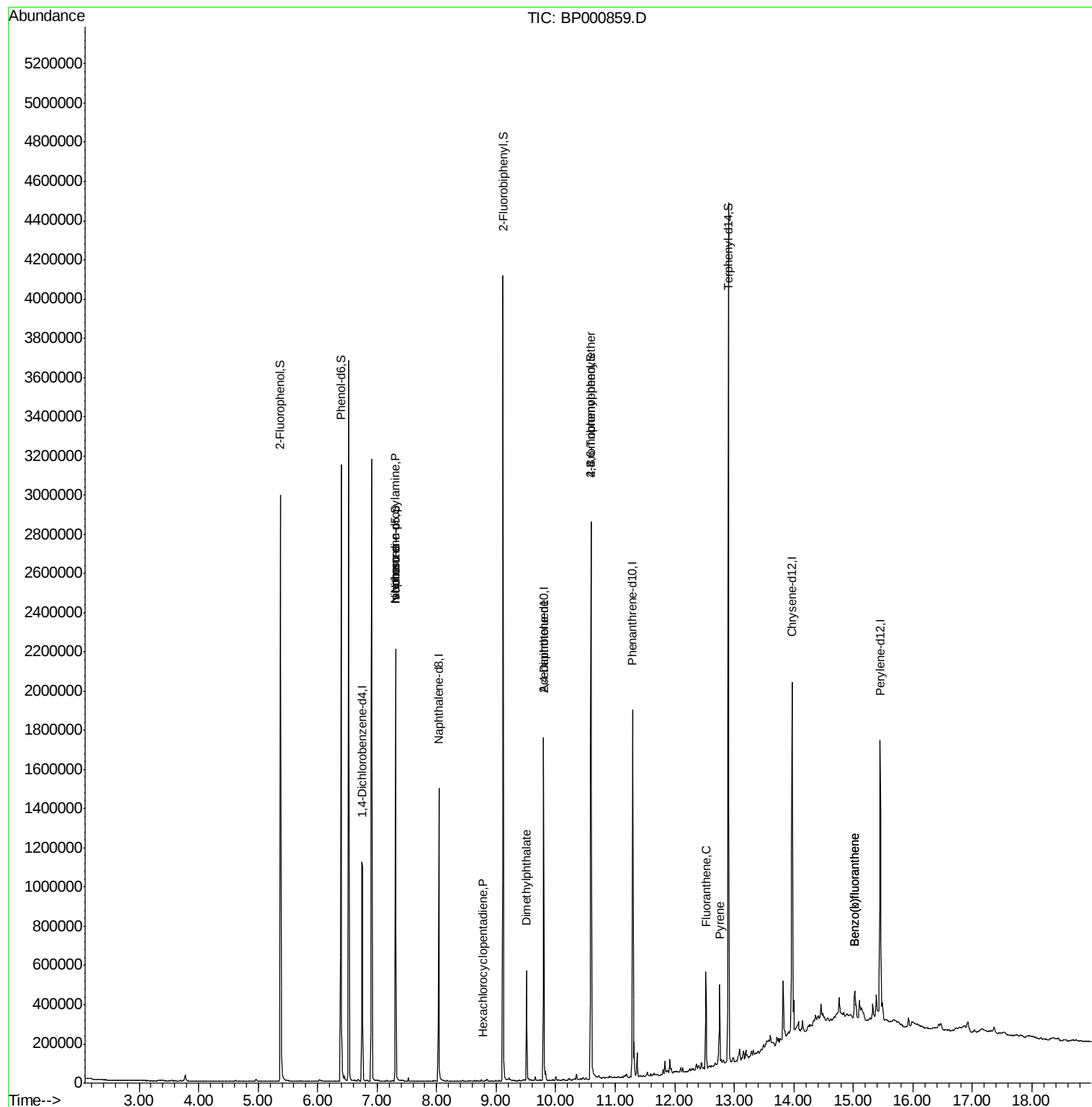
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	82116	12.692	ng	# 73
25) Isophorone	7.31	82	663043	34.124	ng	# 61
41) Hexachlorocyclopentadiene	8.79	237	42	7.305	ng	82
50) Dimethylphthalate	9.51	163	220501	8.613	ng	99
57) 2,4-Dinitrotoluene	9.80	165	48050	6.491	ng	# 32
67) 4-Bromophenyl-phenylether	10.59	248	24704	3.237	ng	# 1
75) Fluoranthene	12.52	202	182734	4.778	ng	99
78) Pyrene	12.75	202	164763	4.068	ng	99
88) Benzo(b)fluoranthene	15.02	252	98727	2.661	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	98727	2.795	ng	# 96

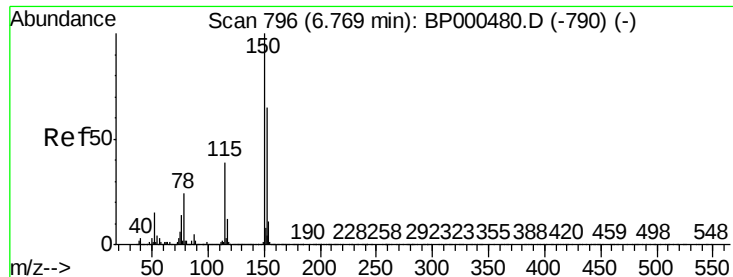
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.02 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

Instrument :

BNA_P

ClientSampleId :

RBR200031-RT4221

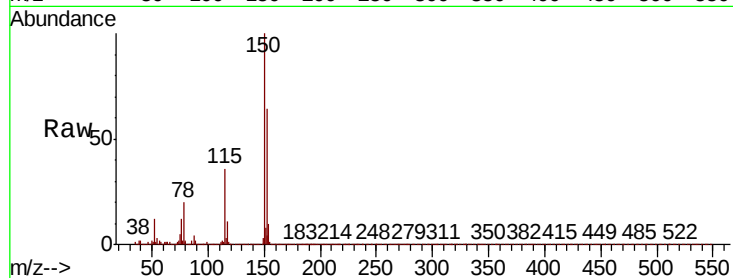
Tot Ion:152 Resp: 187232

Ion Ratio Lower Upper

152 100

150 155.6 124.1 186.1

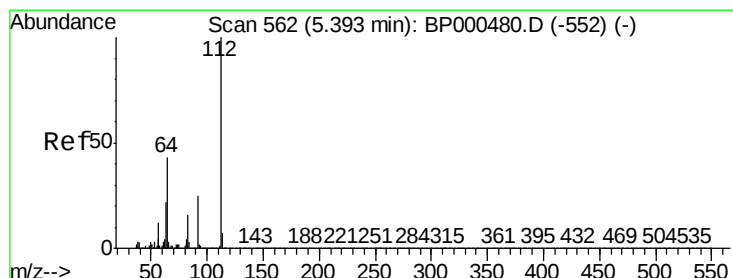
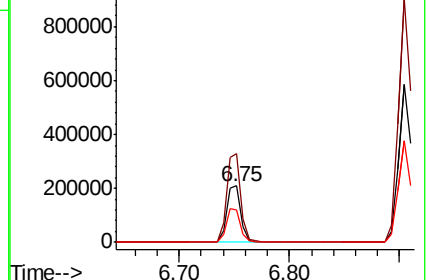
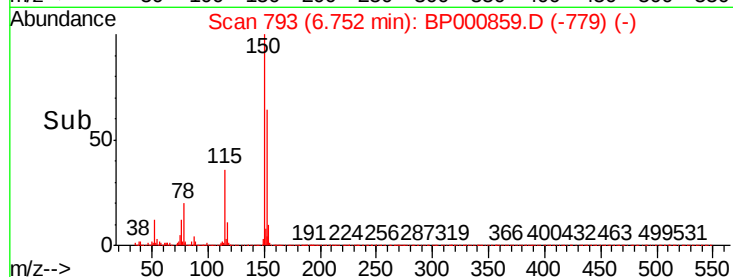
115 56.2 48.7 73.1



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: 82.029 ng

RT: 5.38 min Scan# 559

Delta R.T. -0.02 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

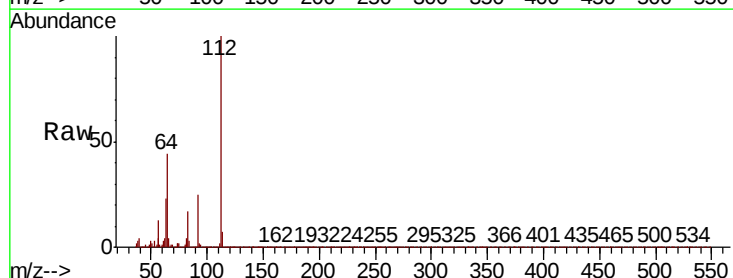
Tgt Ion:112 Resp: 955454

Ion Ratio Lower Upper

112 100

64 44.5 34.2 51.4

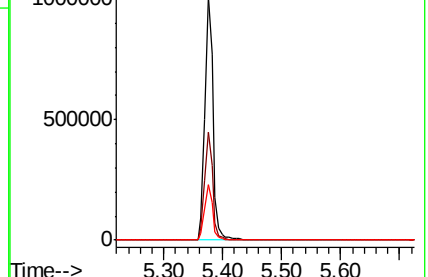
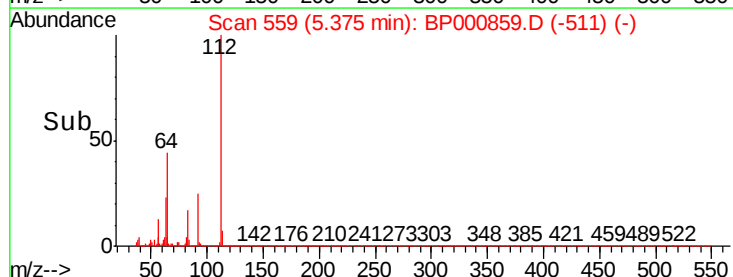
63 22.7 17.9 26.9

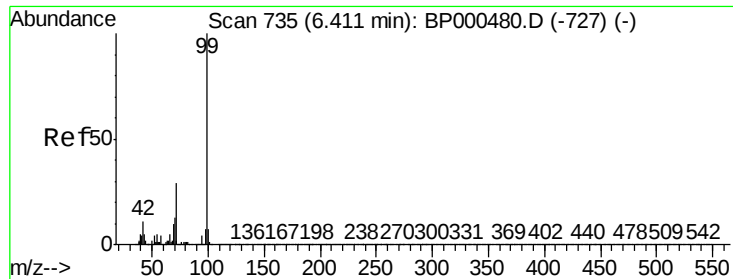


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 84.968 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

Instrument :

BNA_P

ClientSampleId :

RBR200031-RT4221

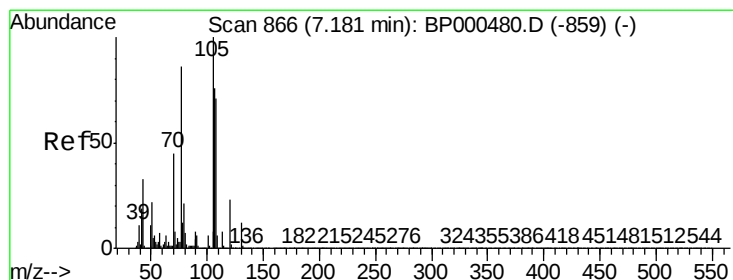
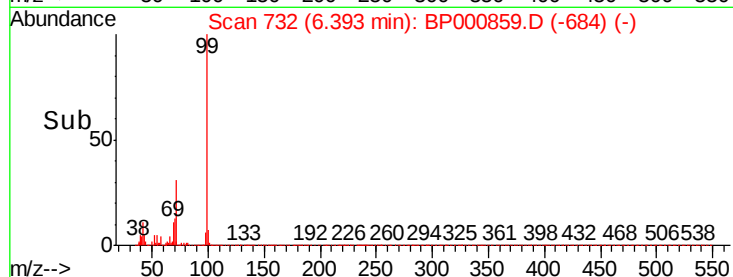
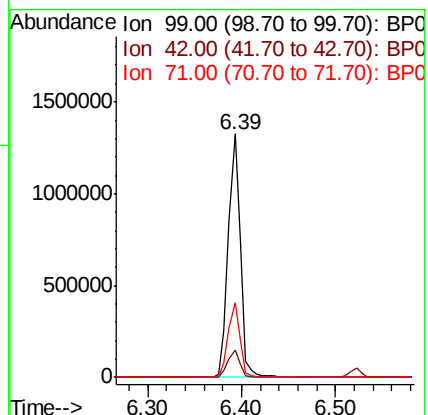
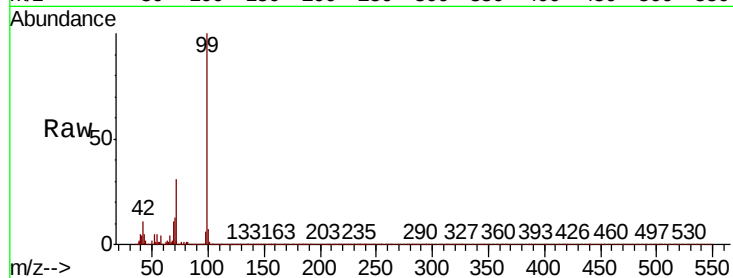
Tot Ion: 99 Resp: 1192618

Ion Ratio Lower Upper

99 100

42 11.3 8.6 12.8

71 30.9 23.0 34.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.692 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

Tgt Ion: 70 Resp: 82116

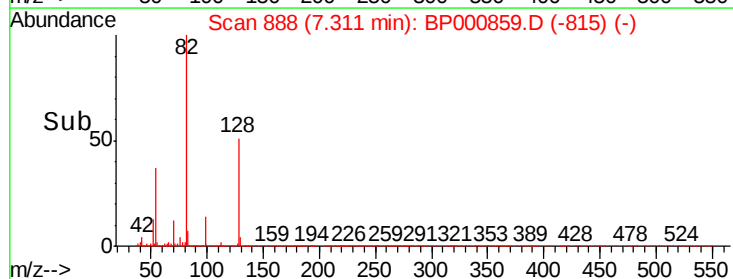
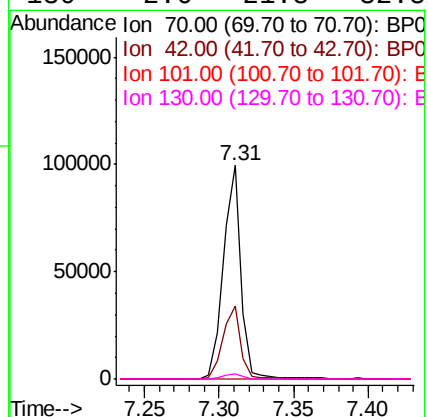
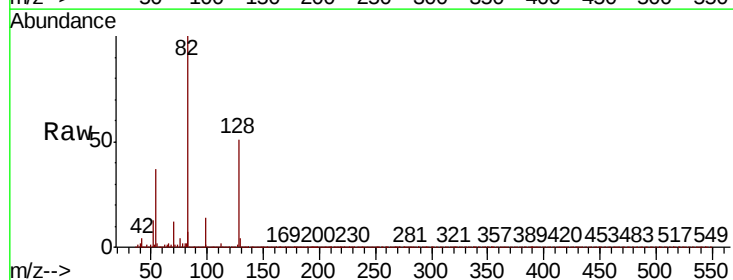
Ion Ratio Lower Upper

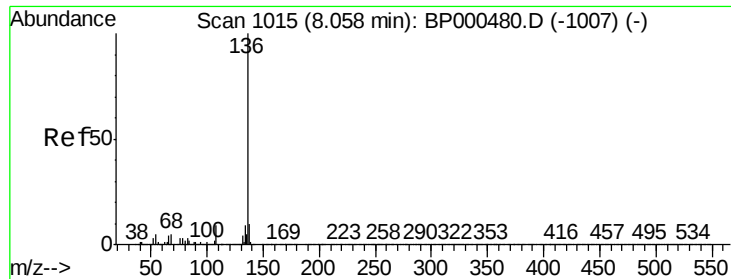
70 100

42 34.3 33.2 49.8

101 0.0 9.9 14.9#

130 2.6 21.8 32.8#

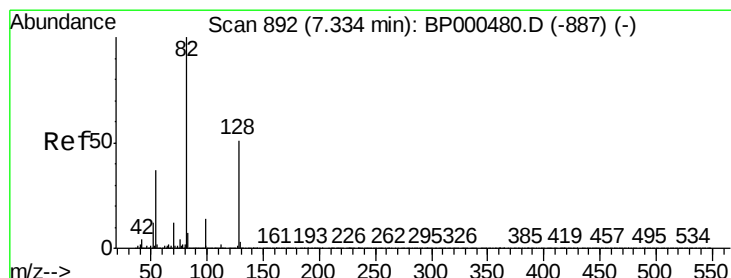
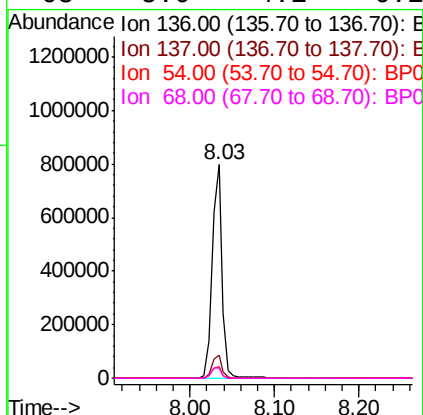
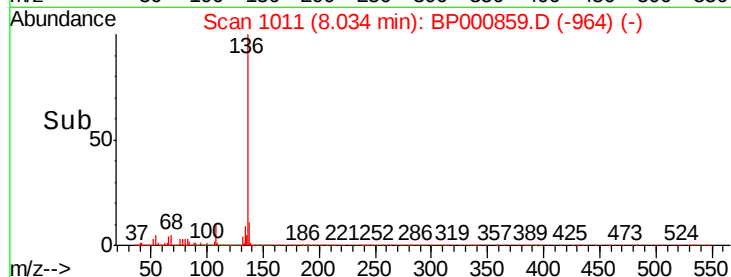
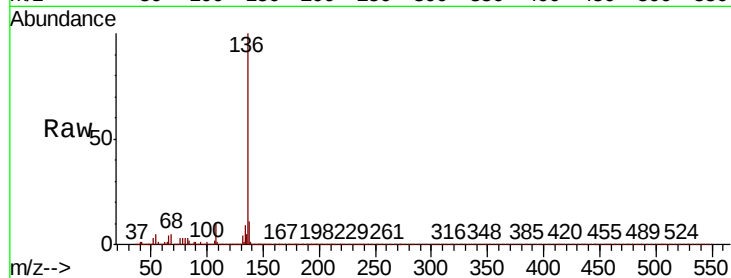




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

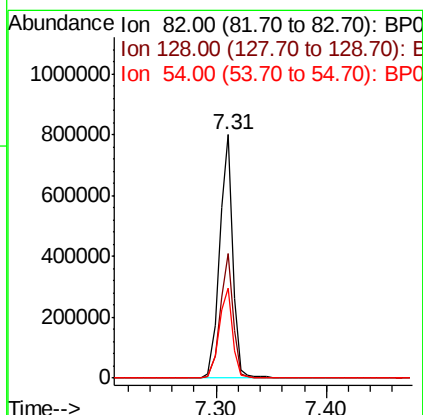
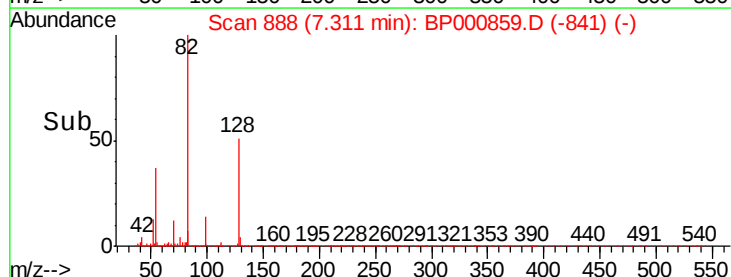
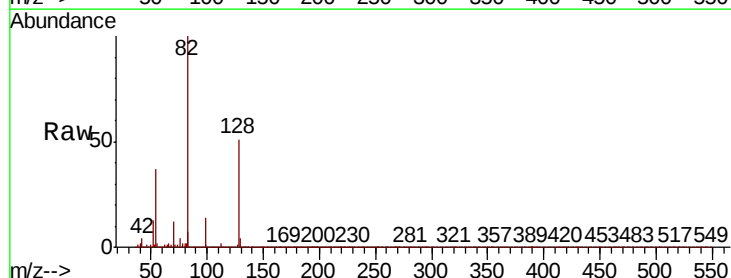
Instrument :
BNA_P
ClientSampleId :
RBR200031-RT4221

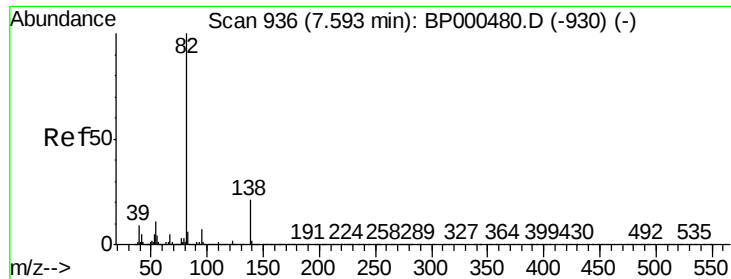
Tot Ion:136	Resp: 668642
Ion Ratio	Lower Upper
136 100	
137 10.8	8.2 12.4
54 5.1	4.1 6.1
68 5.0	4.1 6.1



#23
Nitrobenzene-d5
Concen: 60.592 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

Tgt	Ion: 82	Resp:	663351
Ion	Ratio	Lower	Upper
82	100		
128	51.1	40.9	61.3
54	37.1	29.4	44.2





#25

Isophorone

Concen: 34.124 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

Instrument :

BNA_P

ClientSampleId :

RBR200031-RT4221

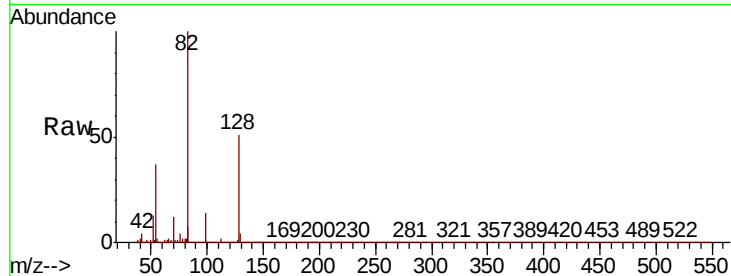
Tot Ion: 82 Resp: 663043

Ion Ratio Lower Upper

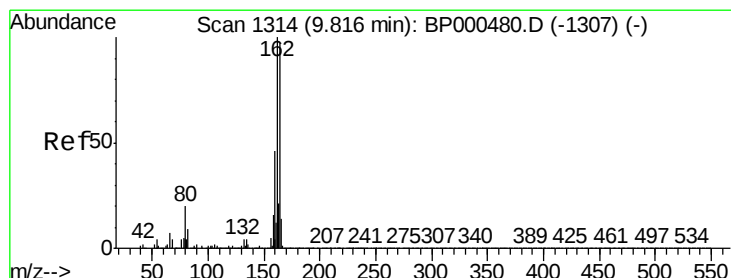
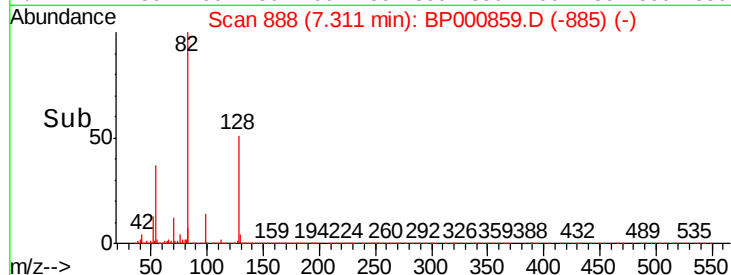
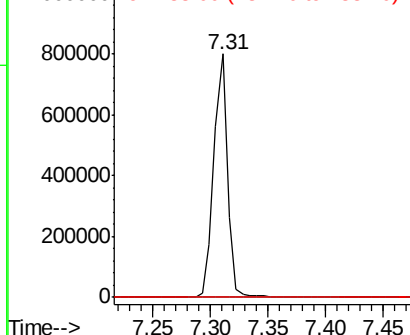
82 100

95 0.0 5.8 8.6#

138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 95.00 (94.70 to 95.70): BP0
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

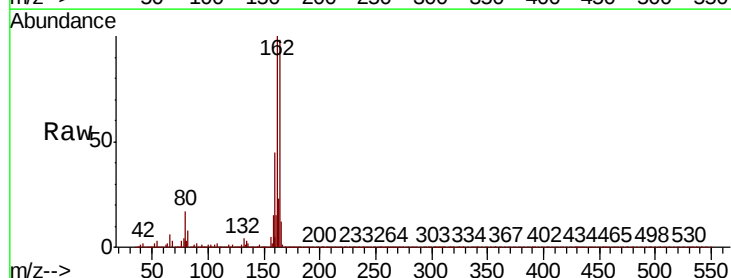
Tgt Ion:164 Resp: 368445

Ion Ratio Lower Upper

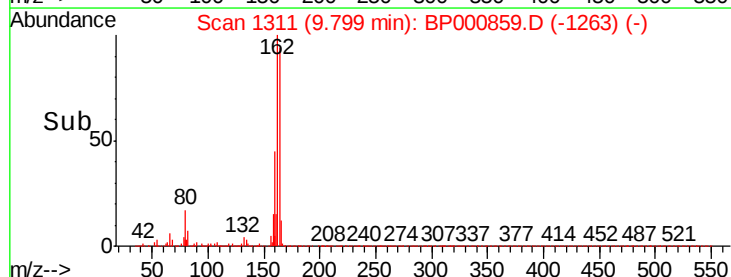
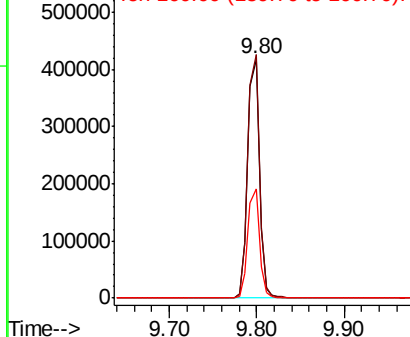
164 100

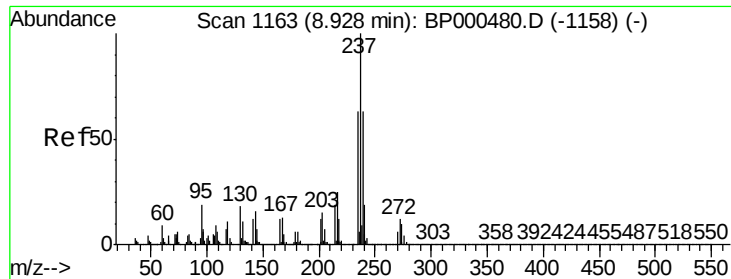
162 102.1 82.2 123.2

160 45.6 37.6 56.4



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





#41

Hexachlorocyclopentadiene

Concen: 7.305 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.14 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

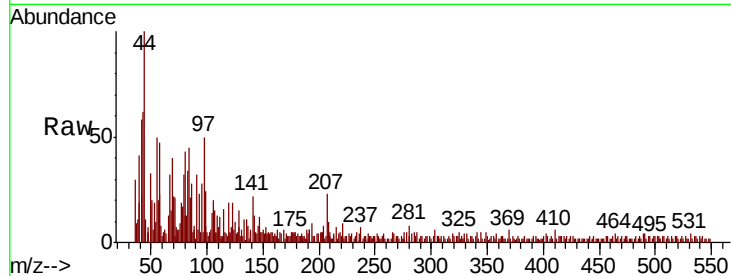
Instrument :

BNA_P

ClientSampleId :

RBR200031-RT4221

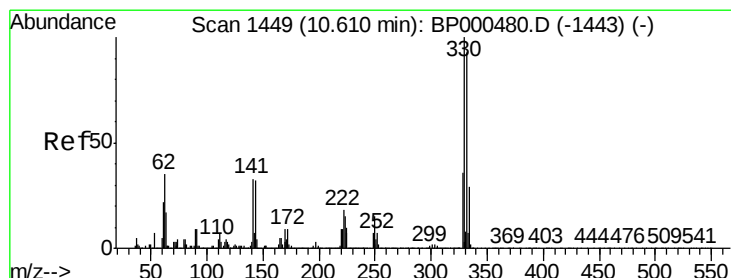
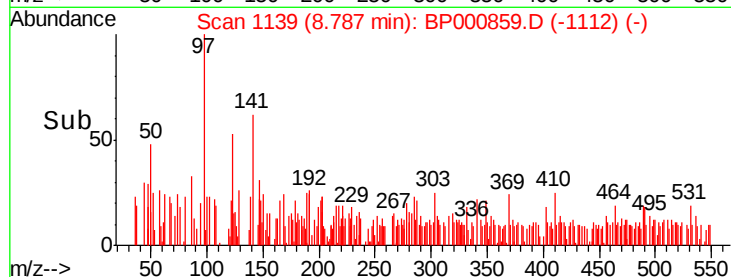
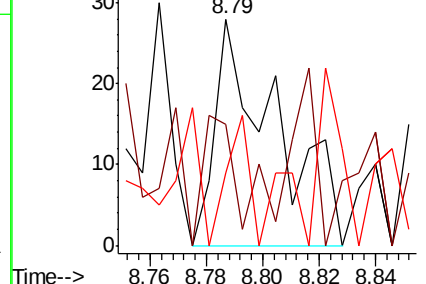
Tot Ion:	237	Resp:	42
Ion	Ratio	Lower	Upper
237	100		
235	53.6	42.9	82.9
272	32.1	0.0	32.4



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 91.930 ng

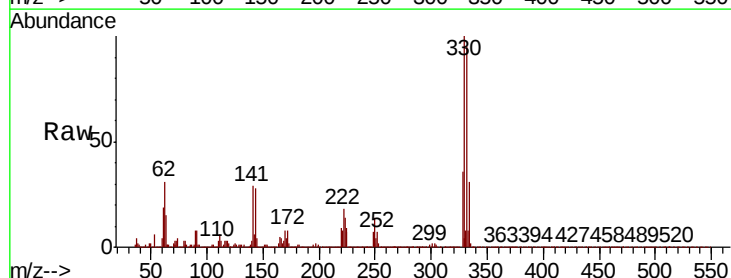
RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

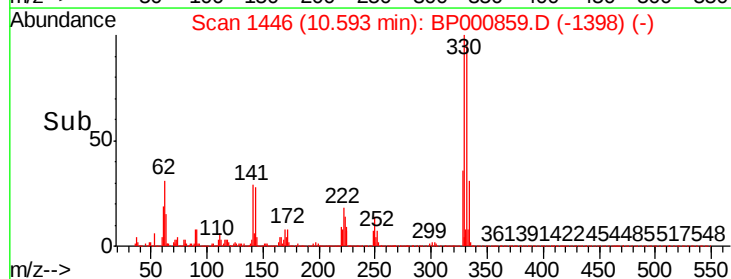
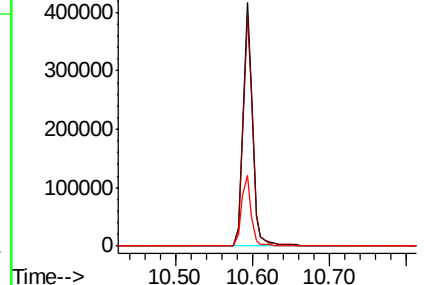
Tgt Ion:	330	Resp:	360939
Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	30.0	26.0	39.0

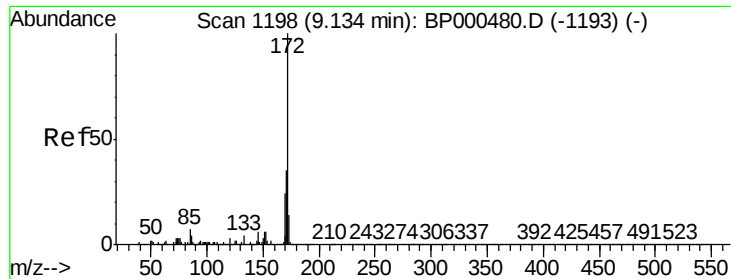


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

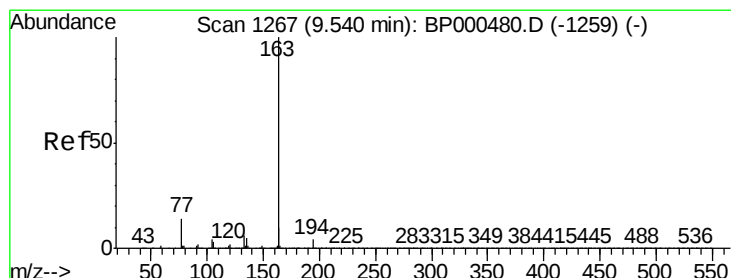
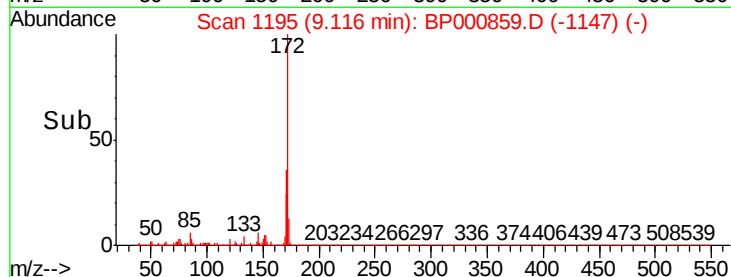
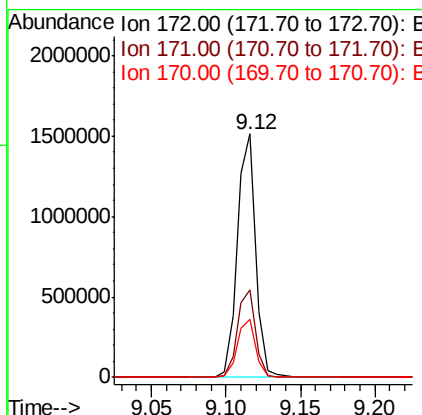
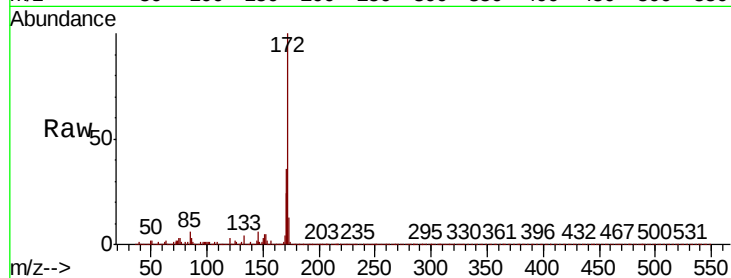




#45
2-Fluorobiphenyl
Concen: 57.382 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

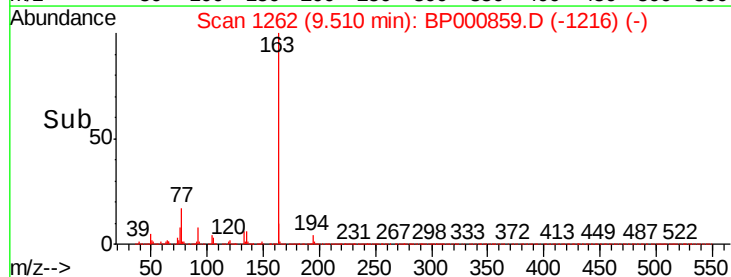
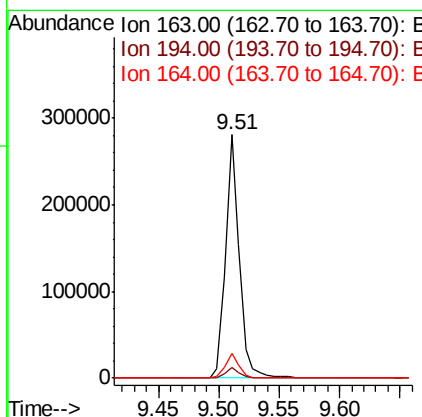
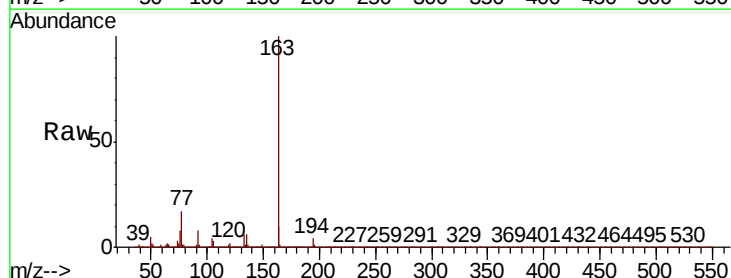
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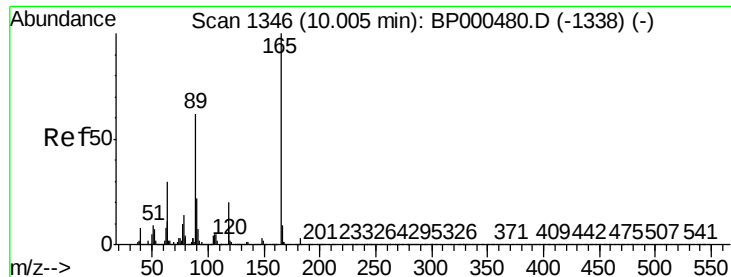
Tot Ion:172 Resp: 1306692
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.7 19.1 28.7



#50
Dimethylphthalate
Concen: 8.613 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

Tgt Ion:163 Resp: 220501
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.3 8.0 12.0

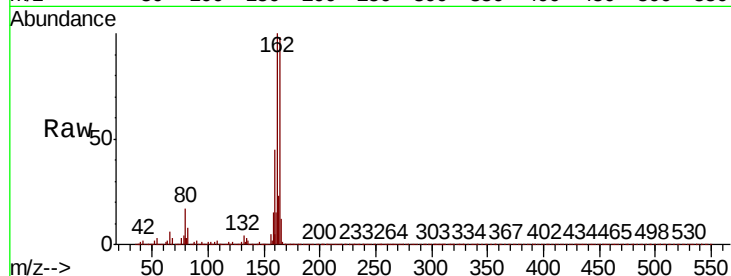




#57
2,4-Dinitrotoluene
Concen: 6.491 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

Instrument :
BNA_P
ClientSampleId :
RBR200031-RT4221

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	24.2	36.4#
89	1.2	49.4	74.0#
182	0.1	2.5	3.7#



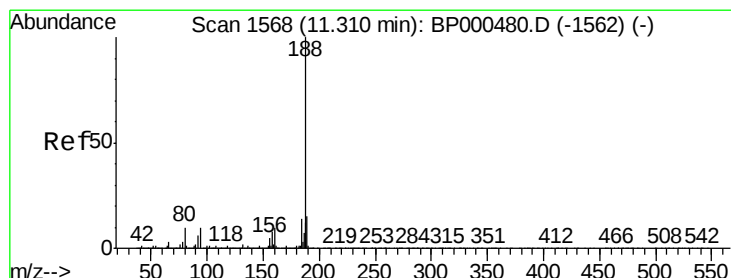
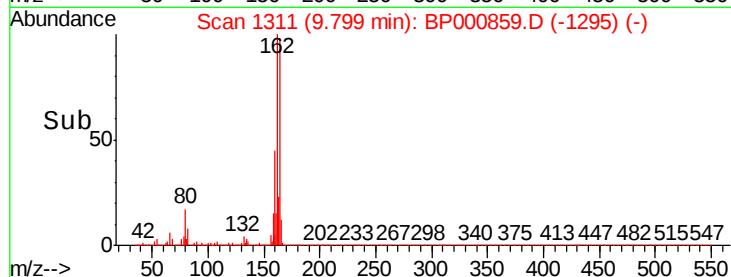
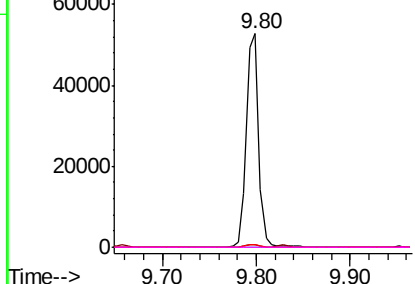
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

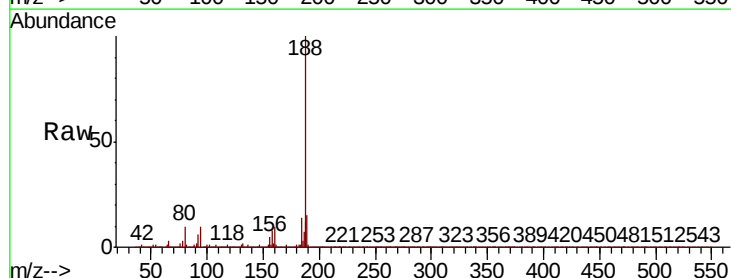
Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	10.2	8.3	12.5

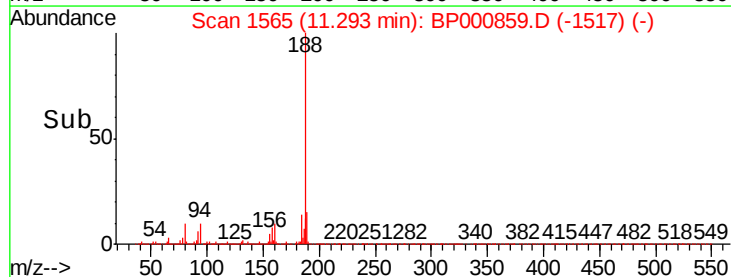
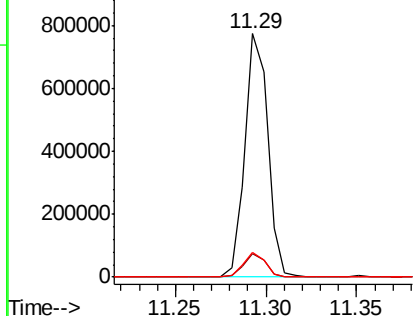


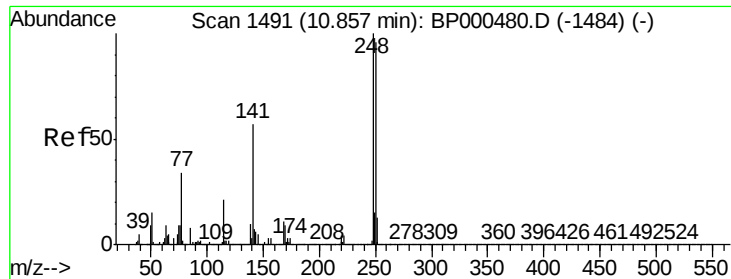
Abundance

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

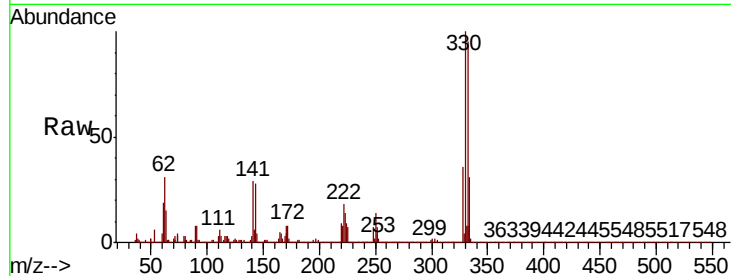




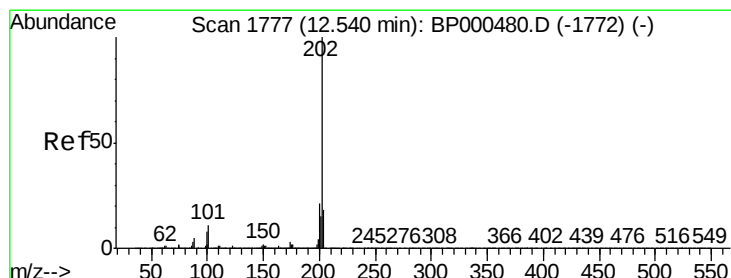
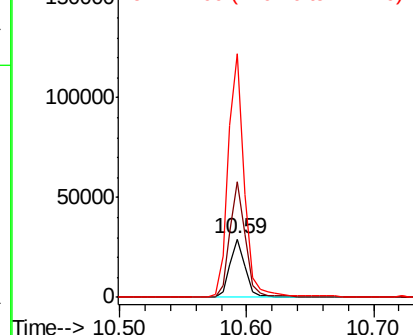
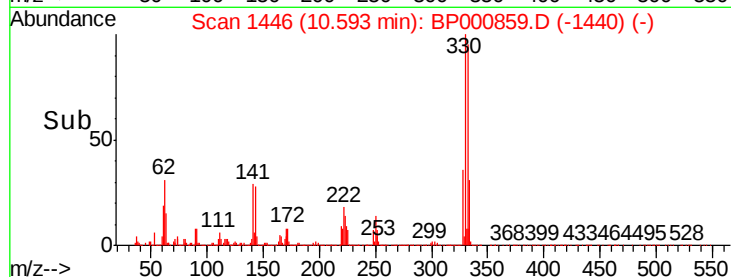
#67
4-Bromophenyl-phenylether
Concen: 3.237 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.26 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

Instrument :
BNA_P
ClientSampleId :
RBR200031-RT4221

Tot Ion:248 Resp: 24704
Ion Ratio Lower Upper
248 100
250 198.3 77.2 115.8#
141 416.9 45.3 67.9#

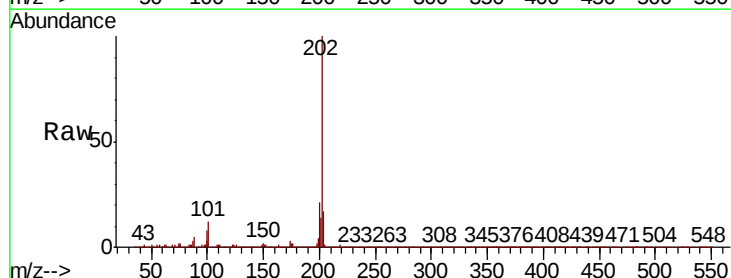


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

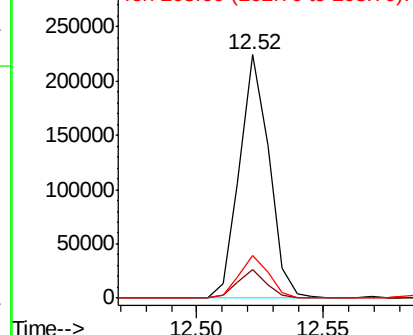
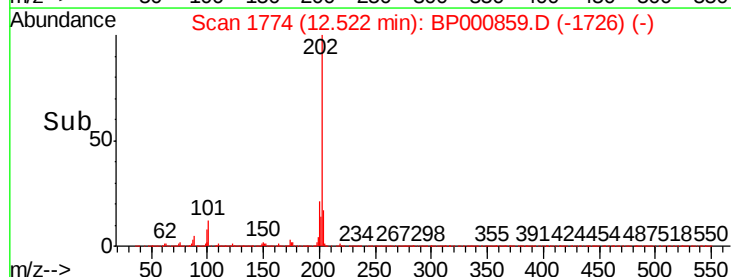


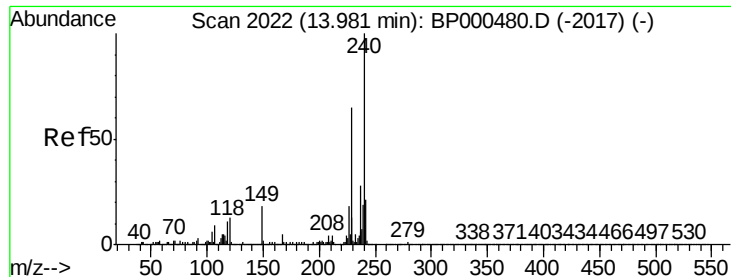
#75
Fluoranthene
Concen: 4.778 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

Tgt Ion:202 Resp: 182734
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.3
203 17.5 0.0 38.1



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

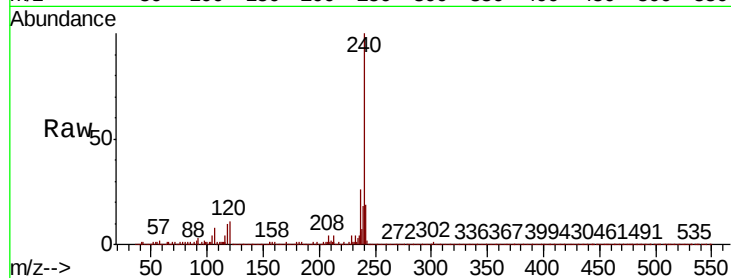




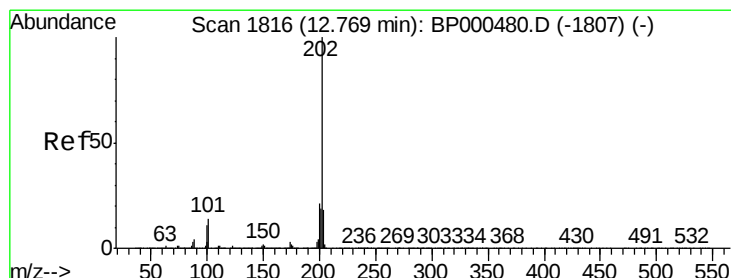
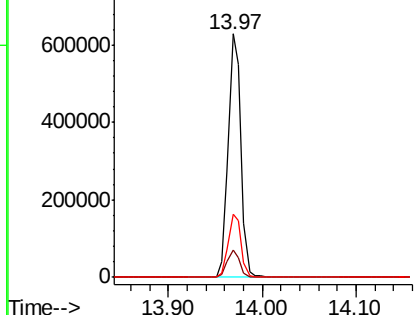
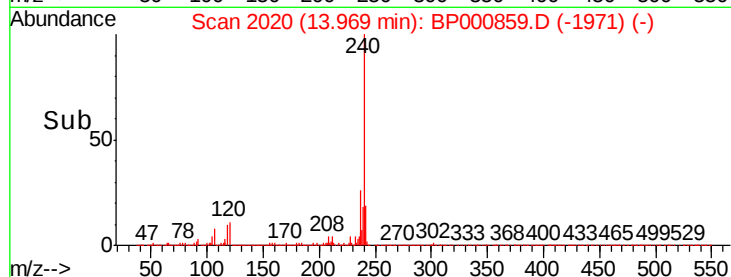
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

Instrument :
BNA_P
ClientSampleId :
RBR200031-RT4221

Tot Ion:240 Resp: 587279
Ion Ratio Lower Upper
240 100
120 11.4 10.1 15.1
236 26.1 22.7 34.1

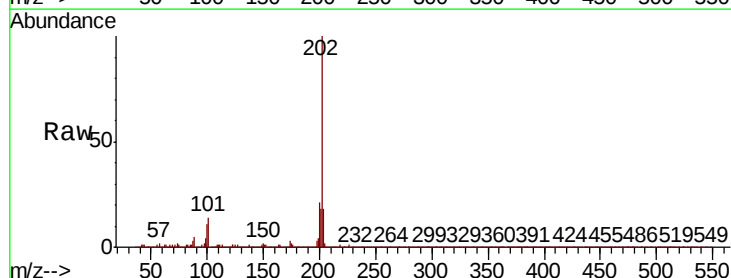


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

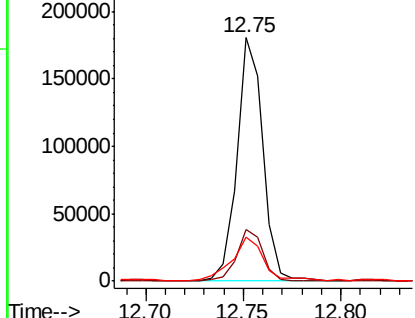
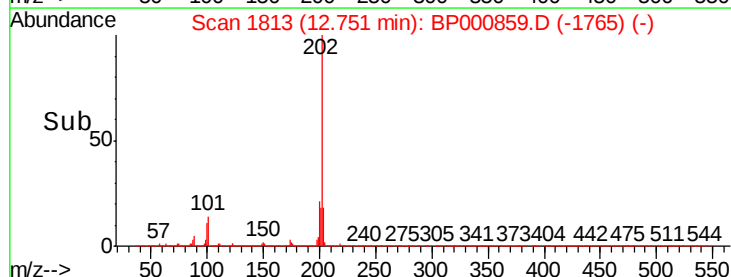


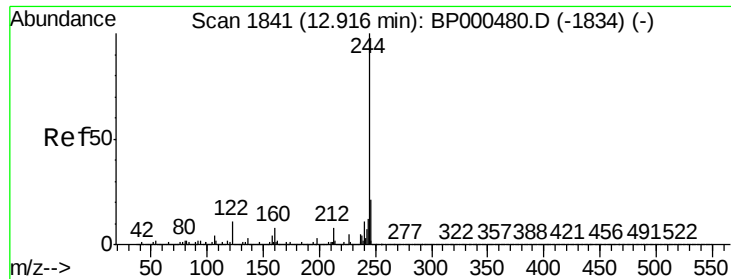
#78
Pyrene
Concen: 4.068 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000859.D
Acq: 18 Oct 2019 01:04

Tgt Ion:202 Resp: 164763
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.0 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 54.318 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

Instrument :

BNA_P

ClientSampleId :

RBR200031-RT4221

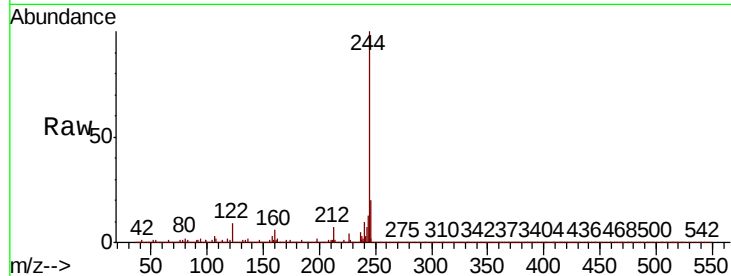
Tot Ion:244 Resp: 1575504

Ion Ratio Lower Upper

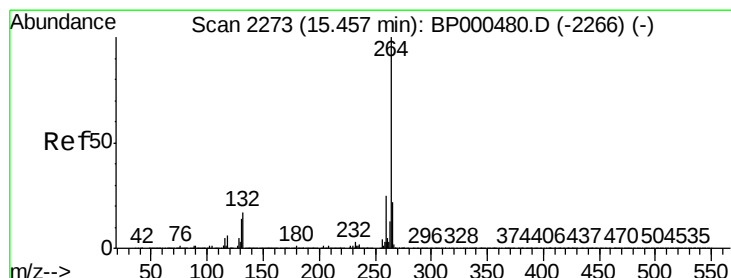
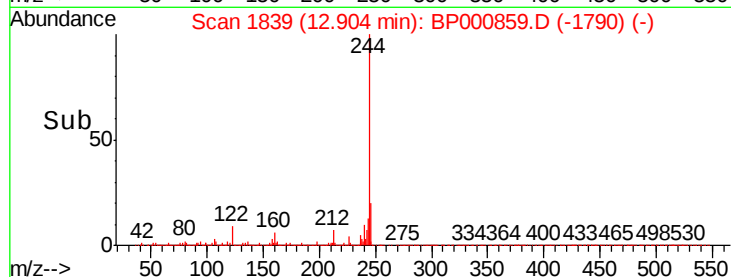
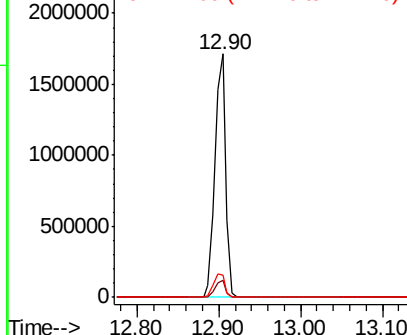
244 100

212 6.8 6.0 9.0

122 9.3 8.9 13.3



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: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

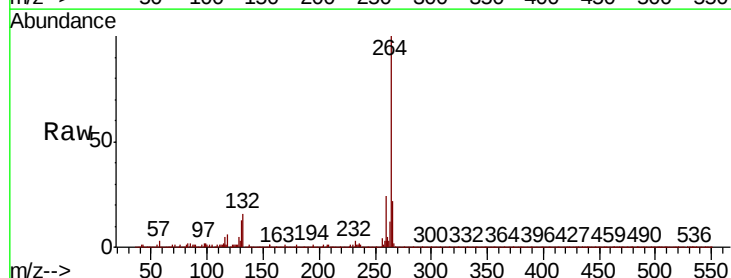
Tgt Ion:264 Resp: 653937

Ion Ratio Lower Upper

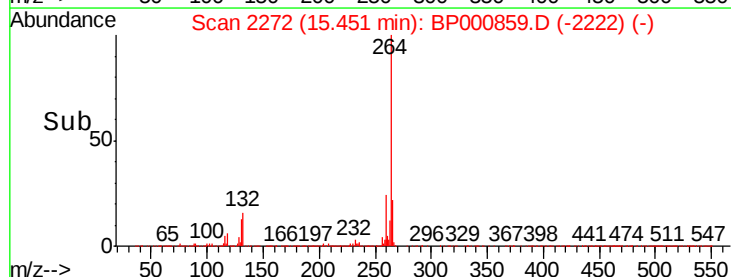
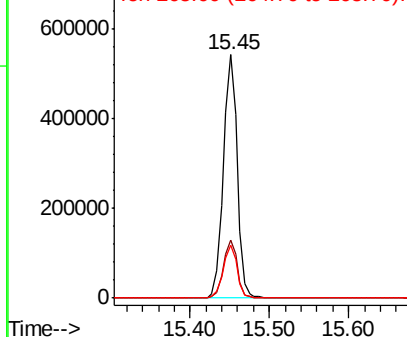
264 100

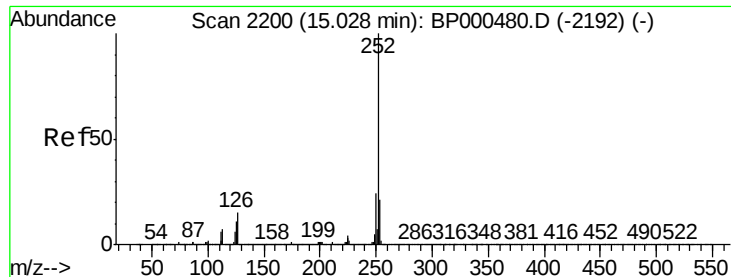
260 23.9 20.3 30.5

265 22.0 18.0 27.0



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





#88

Benzo(b)fluoranthene

Concen: 2.661 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

Instrument :

BNA_P

ClientSampleId :

RBR200031-RT4221

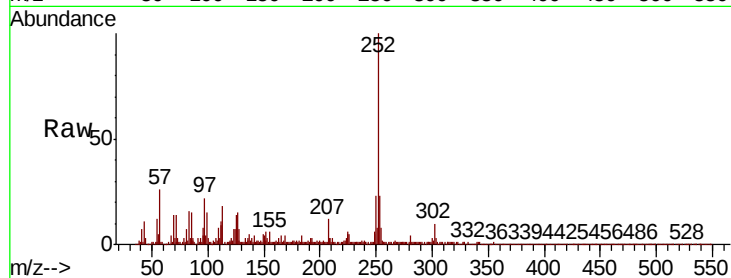
Tot Ion:252 Resp: 98727

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

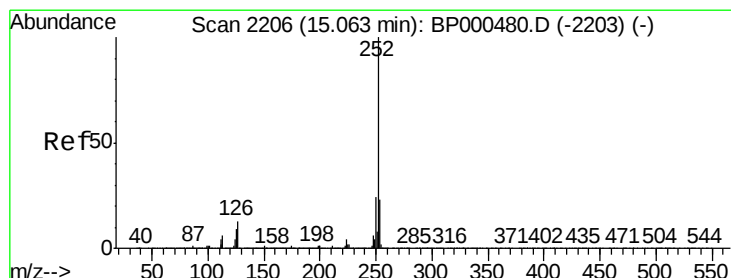
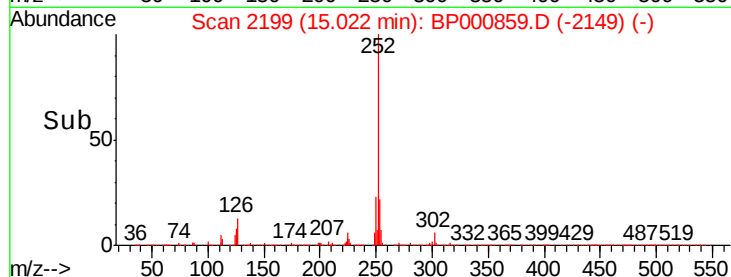
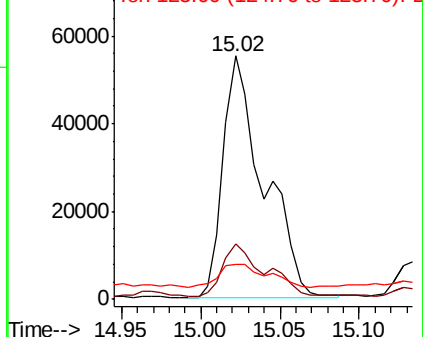
125 14.1 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 2.795 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BP000859.D

Acq: 18 Oct 2019 01:04

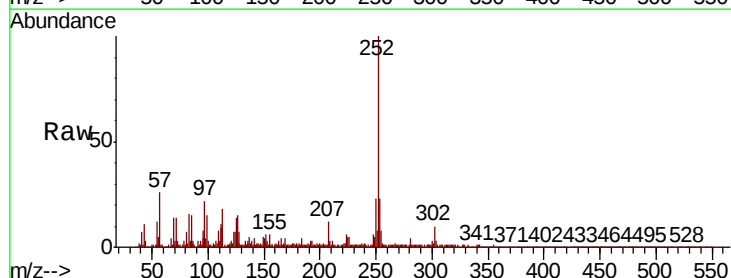
Tgt Ion:252 Resp: 98727

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

125 14.1 7.8 11.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

