

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011420\
 Data File : BP001600.D
 Acq On : 14 Jan 2020 22:21
 Operator : JU
 Sample : L1004-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BU-RO-229

Quant Time: Jan 14 23:24:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 21:52:04 2020
 Response via : Initial Calibration

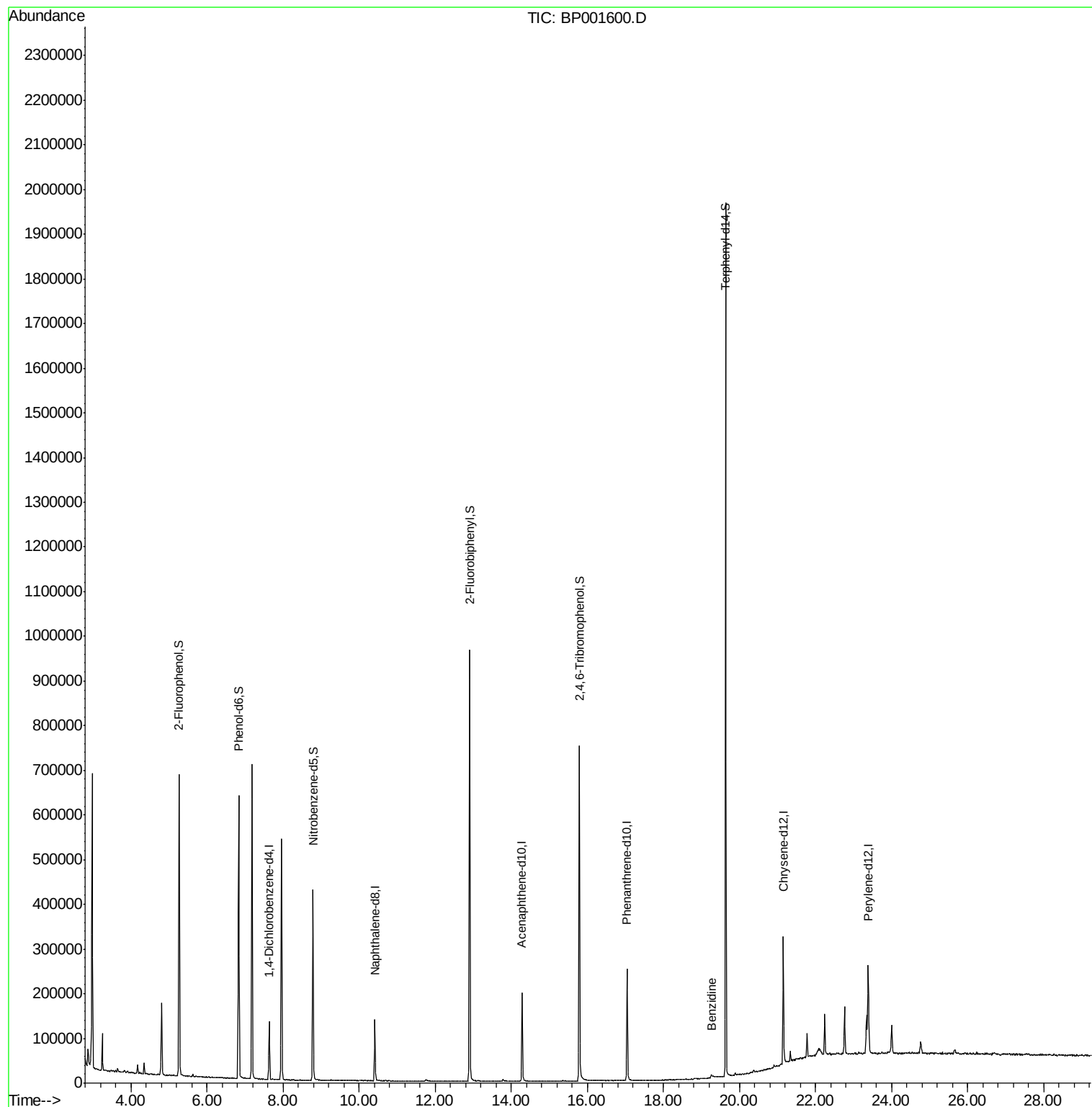
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	27214	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	95025	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	63745	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	147778	20.00	ng	0.00
76) Chrysene-d12	21.15	240	146154	20.00	ng	-0.01
87) Perylene-d12	23.38	264	154813	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	210401	151.45	ng	0.00
7) Phenol-d6	6.83	99	263286	118.58	ng	0.00
23) Nitrobenzene-d5	8.78	82	209483	96.33	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	122094	125.83	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	448015	103.33	ng	0.00
79) Terphenyl-d14	19.63	244	821659	102.83	ng	0.00
Target Compounds						
77) Benzidine	19.26	184	12569	3.766	ng	Qvalue # 95

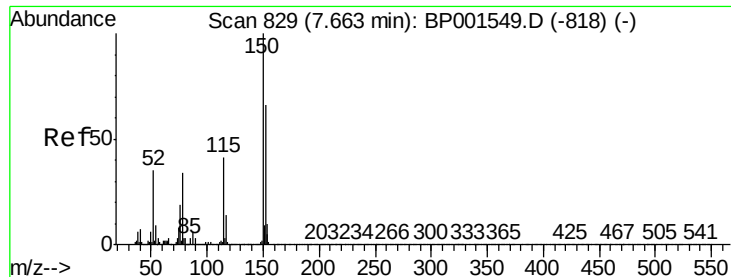
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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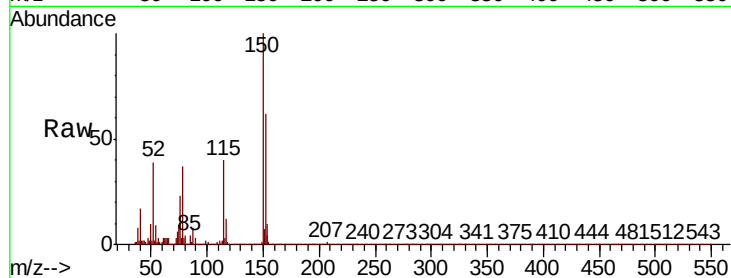


#1

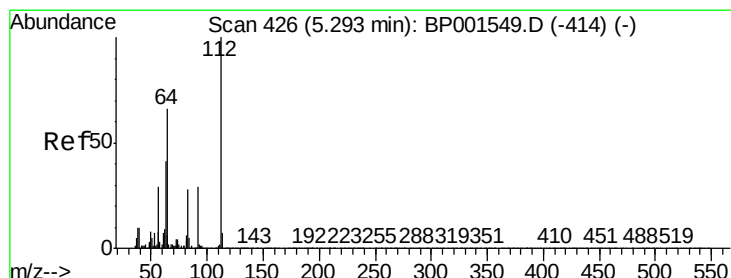
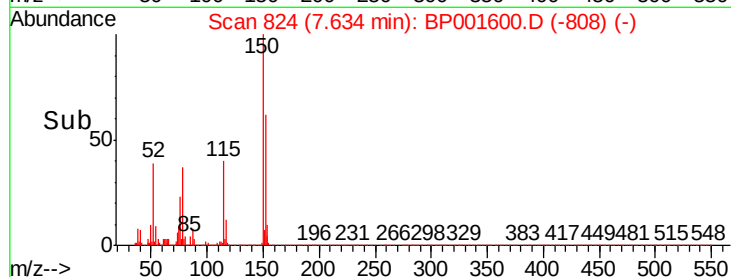
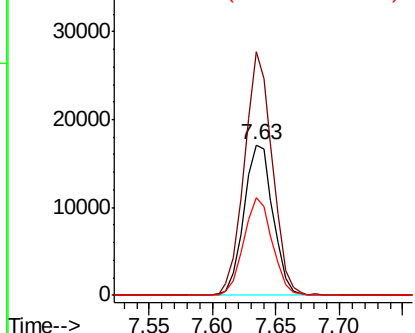
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001600.D
Acq: 14 Jan 2020 22:21

Instrument :
BNA_P
ClientSampleId :
BU-RO-229

Tot Ion:152 Resp: 27214
Ion Ratio Lower Upper
152 100
150 161.9 122.0 183.0
115 65.0 50.7 76.1



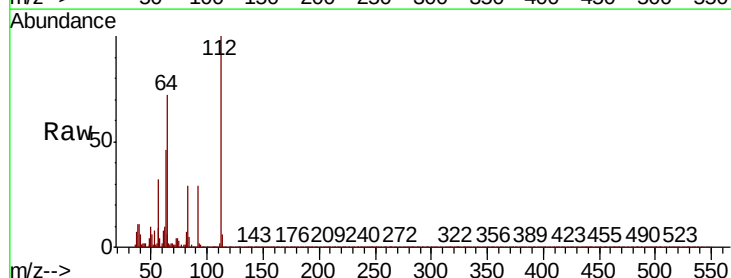
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



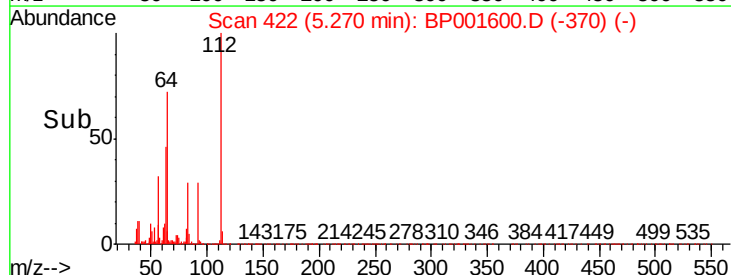
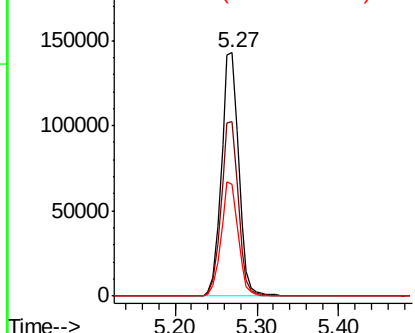
#5

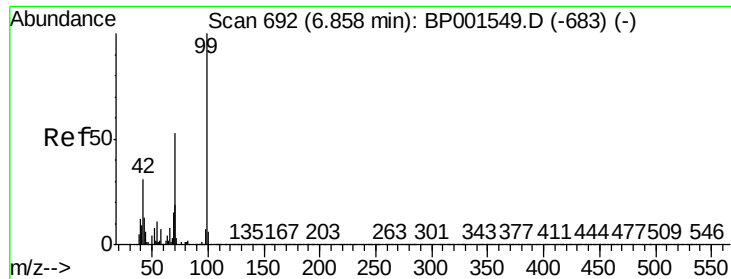
2-Fluorophenol
Concen: 151.449 ng
RT: 5.27 min Scan# 422
Delta R.T. 0.01 min
Lab File: BP001600.D
Acq: 14 Jan 2020 22:21

Tgt Ion:112 Resp: 210401
Ion Ratio Lower Upper
112 100
64 71.8 52.8 79.2
63 46.0 33.1 49.7



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: 118.582 ng

RT: 6.83 min Scan# 688

Delta R.T. 0.00 min

Lab File: BP001600.D

Acq: 14 Jan 2020 22:21

Instrument :

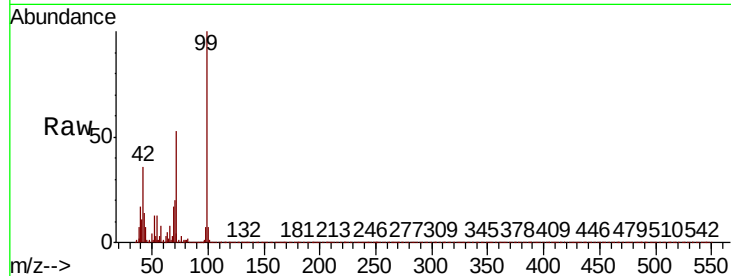
BNA_P

ClientSampleId :

BU-RO-229

Tot Ion: 99 Resp: 263286

Ion	Ratio	Lower	Upper
99	100		
42	35.5	24.5	36.7
71	53.2	42.4	63.6



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

6.83

200000

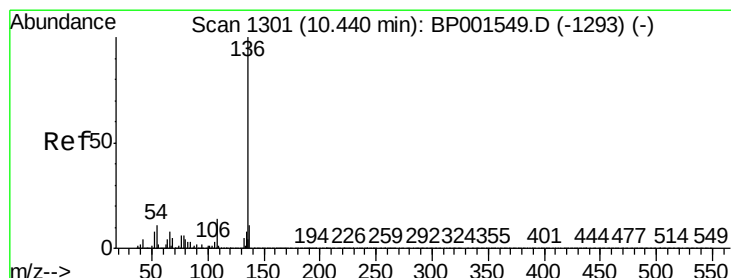
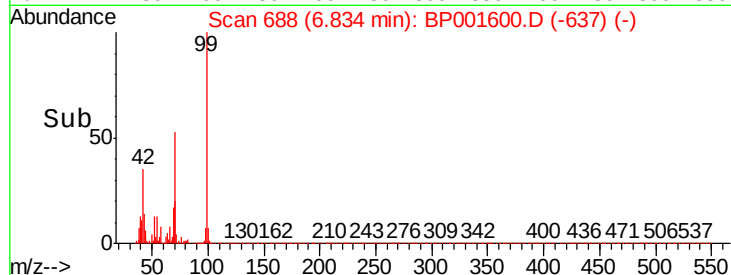
150000

100000

50000

0

Time--> 6.70 6.80 6.90



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.41 min Scan# 1296

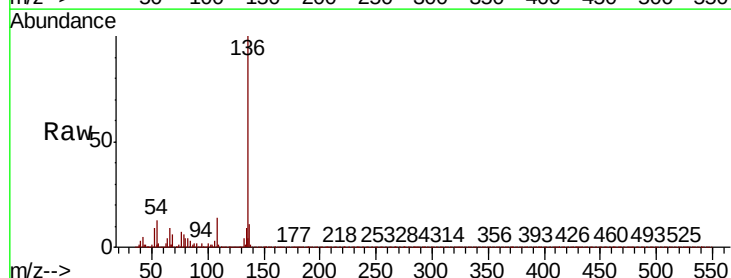
Delta R.T. -0.01 min

Lab File: BP001600.D

Acq: 14 Jan 2020 22:21

Tgt Ion: 136 Resp: 95025

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	12.5	9.2	13.8
68	5.8	4.1	6.1



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

10.41

80000

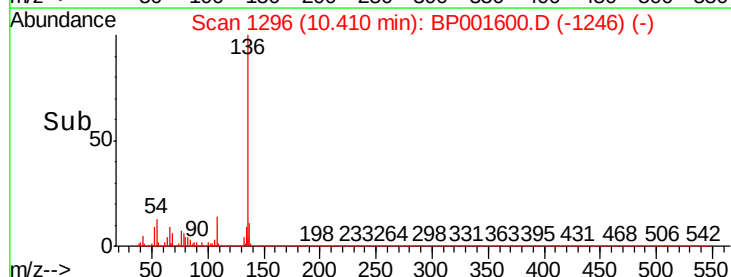
60000

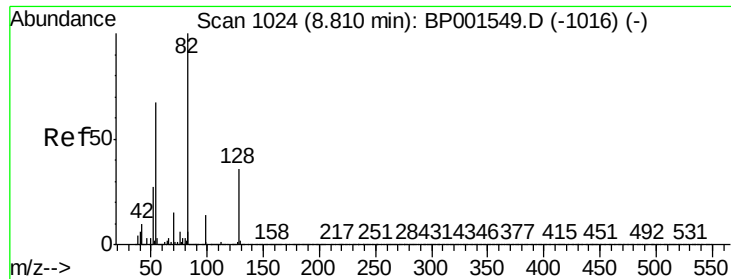
40000

20000

0

Time--> 10.30 10.40 10.50 10.60

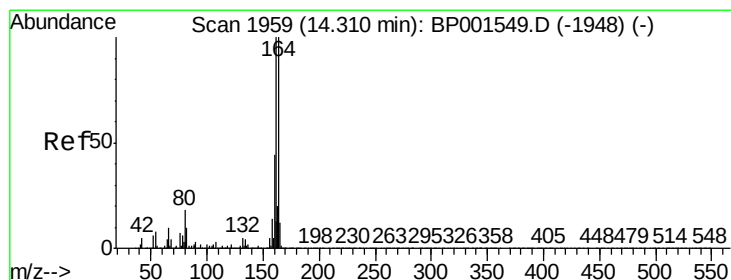
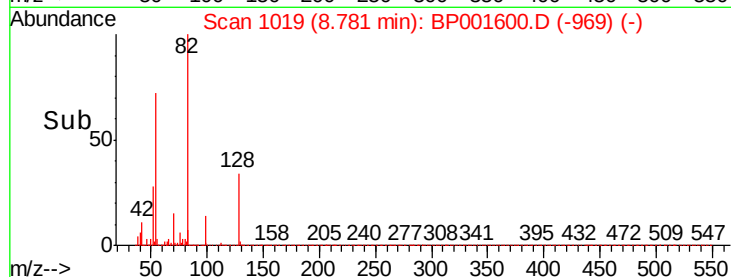
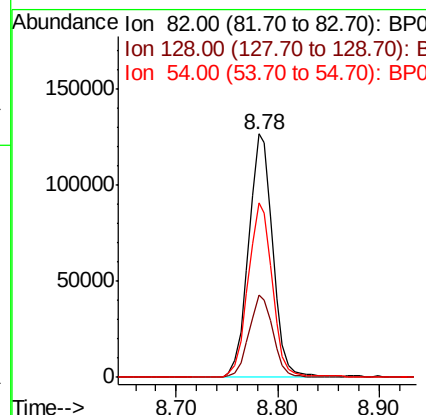
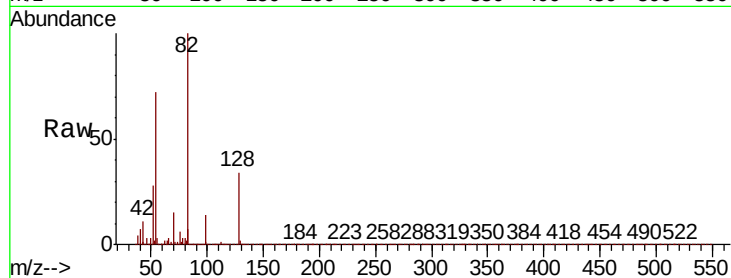




#23
 Nitrobenzene-d5
 Concen: 96.331 ng
 RT: 8.78 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BP001600.D
 Acq: 14 Jan 2020 22:21

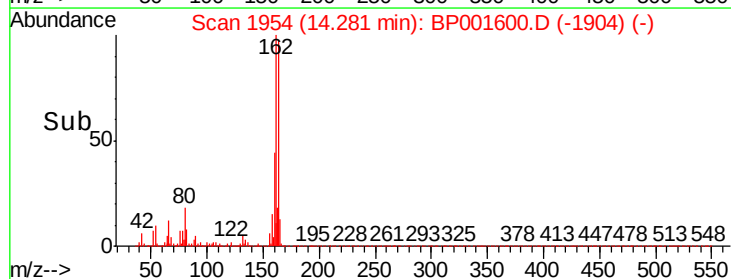
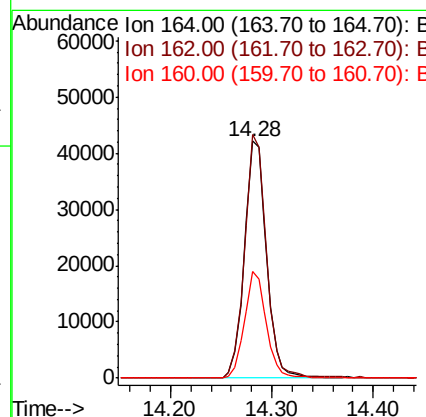
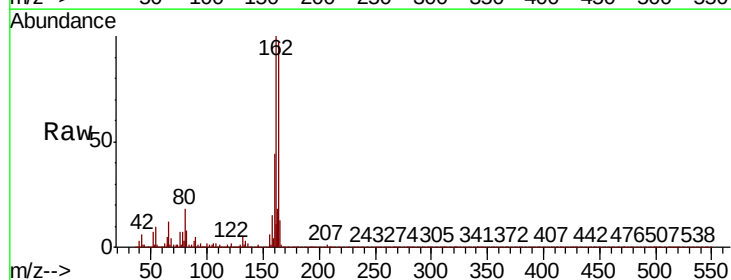
Instrument :
 BNA_P
 ClientSampleId :
 BU-RO-229

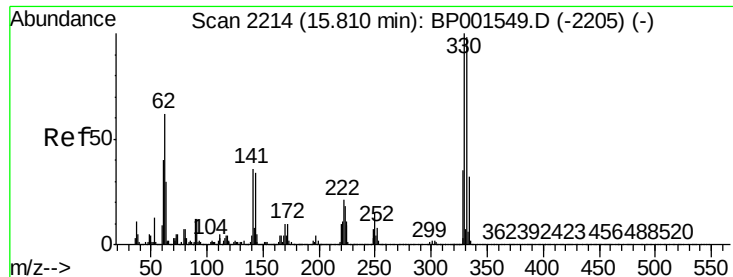
Tot Ion	Ratio	Lower	Upper
82	100		
128	33.8	28.4	42.6
54	71.9	53.4	80.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.28 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: BP001600.D
 Acq: 14 Jan 2020 22:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	79.8	119.6
160	45.3	35.0	52.6





#42

2,4,6-Tribromophenol

Concen: 125.828 ng

RT: 15.79 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BP001600.D

Acq: 14 Jan 2020 22:21

Instrument :

BNA_P

ClientSampleId :

BU-RO-229

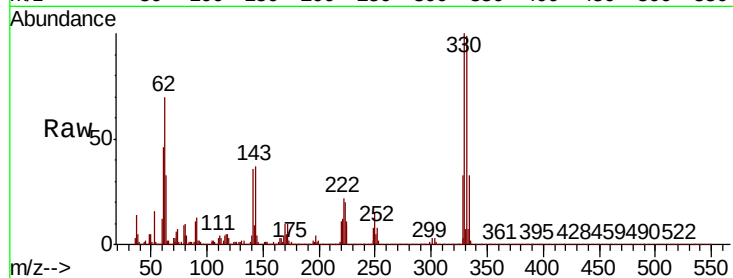
Tot Ion:330 Resp: 122094

Ion Ratio Lower Upper

330 100

332 96.8 77.8 116.6

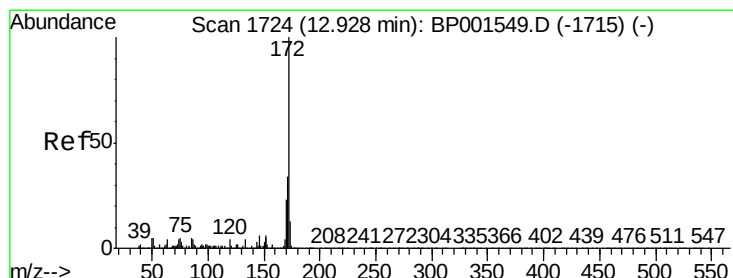
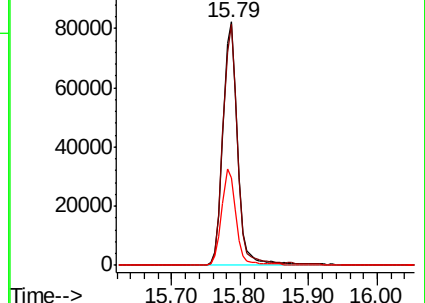
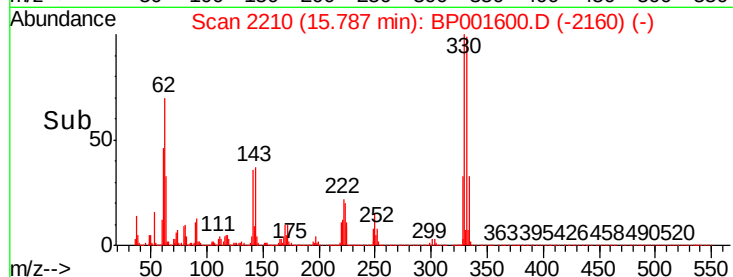
141 39.1 28.7 43.1



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: 103.334 ng

RT: 12.90 min Scan# 1720

Delta R.T. 0.00 min

Lab File: BP001600.D

Acq: 14 Jan 2020 22:21

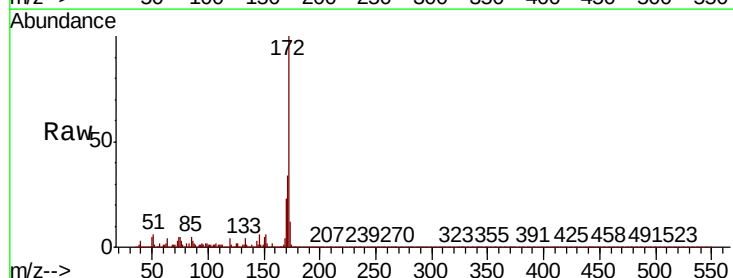
Tgt Ion:172 Resp: 448015

Ion Ratio Lower Upper

172 100

171 33.8 27.6 41.4

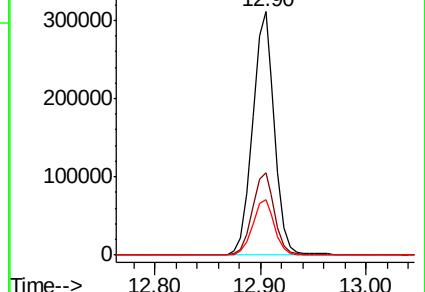
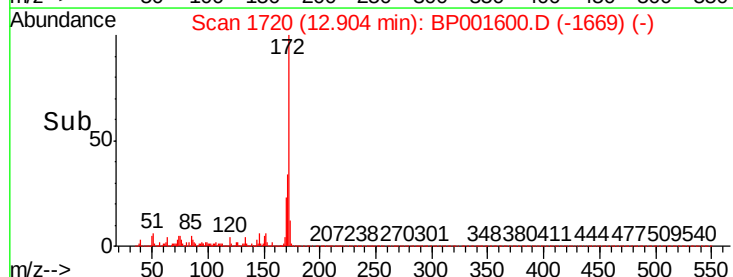
170 22.9 18.3 27.5

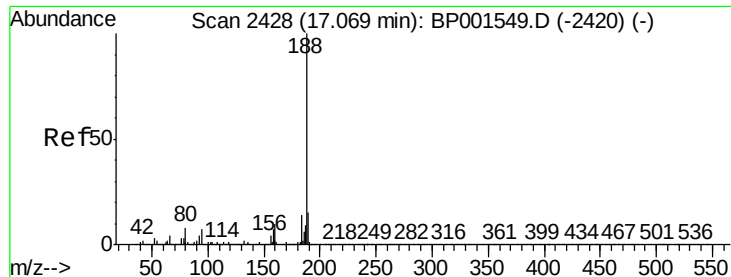


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BP001600.D

Acq: 14 Jan 2020 22:21

Instrument :

BNA_P

ClientSampled :

BU-RO-229

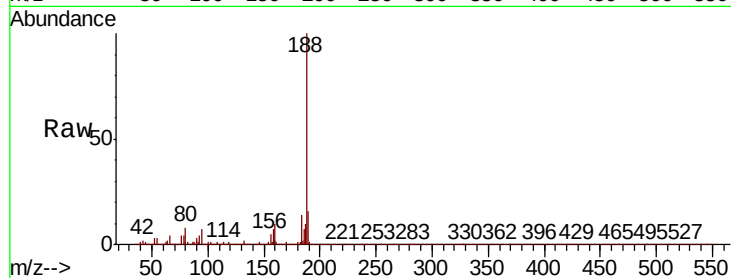
Tot Ion:188 Resp: 147778

Ion Ratio Lower Upper

188 100

94 6.7 5.9 8.9

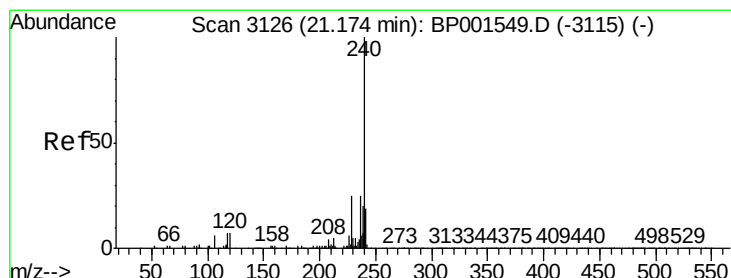
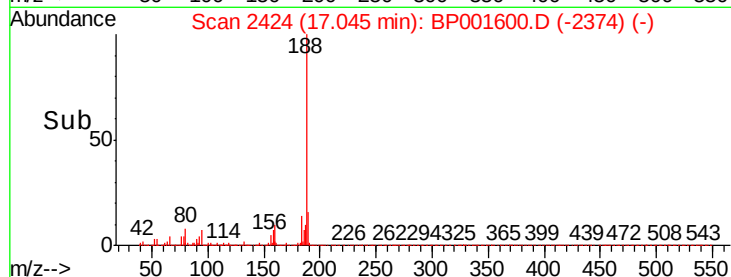
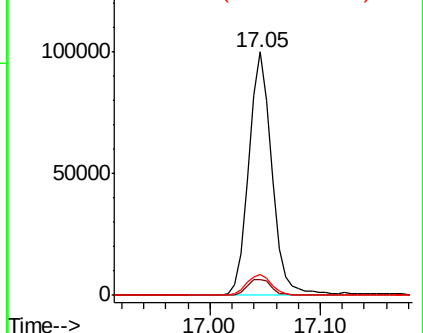
80 8.5 6.8 10.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.15 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BP001600.D

Acq: 14 Jan 2020 22:21

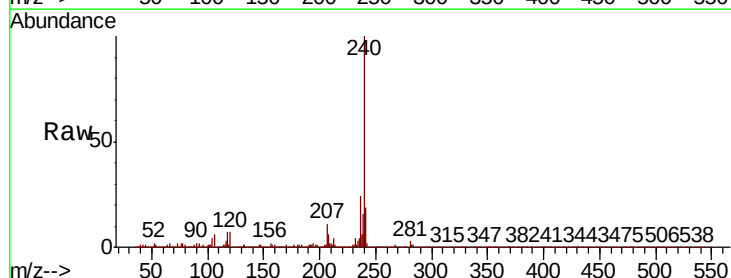
Tgt Ion:240 Resp: 146154

Ion Ratio Lower Upper

240 100

120 7.0 5.7 8.5

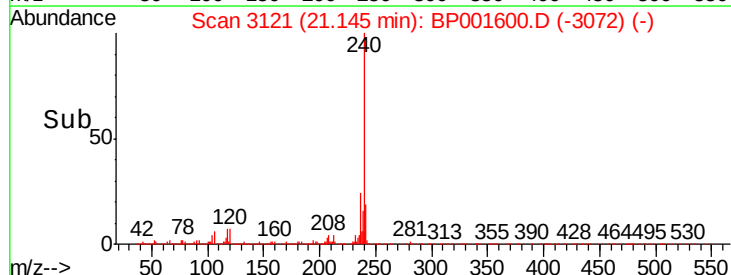
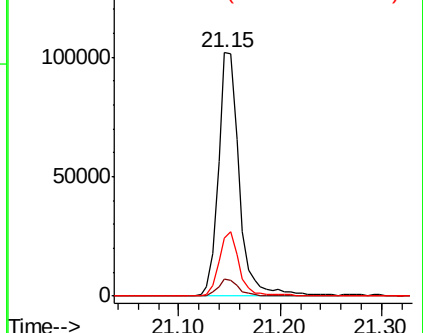
236 23.9 20.4 30.6

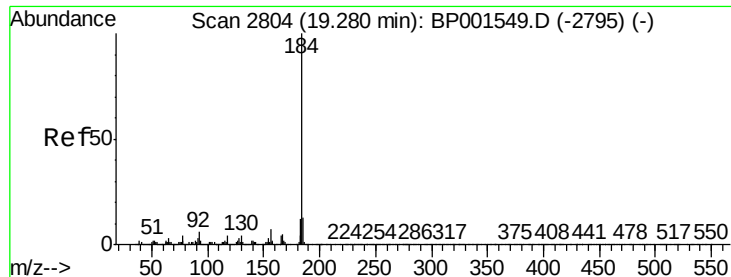


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.766 ng

RT: 19.26 min Scan# 2801

Delta R.T. 0.00 min

Lab File: BP001600.D

Acq: 14 Jan 2020 22:21

Instrument :

BNA_P

ClientSampleId :

BU-RO-229

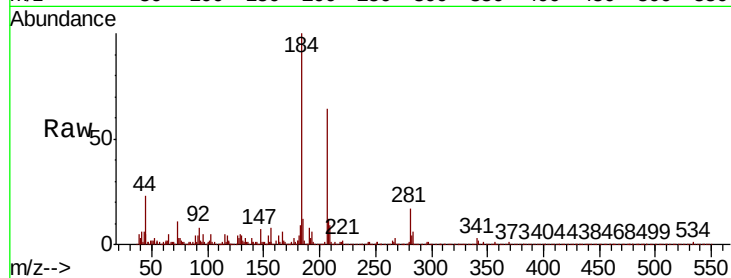
Tot Ion:184 Resp: 12569

Ion Ratio Lower Upper

184 100

185 12.0 10.6 16.0

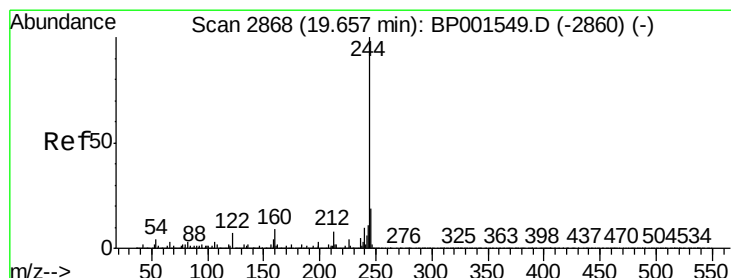
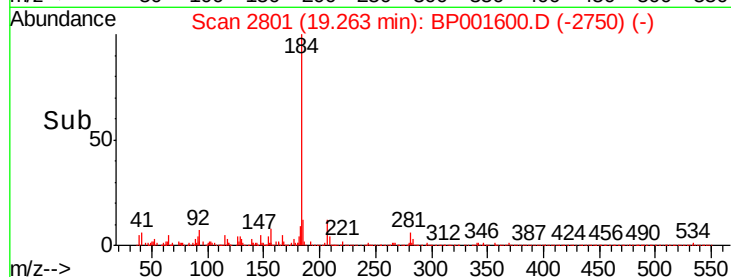
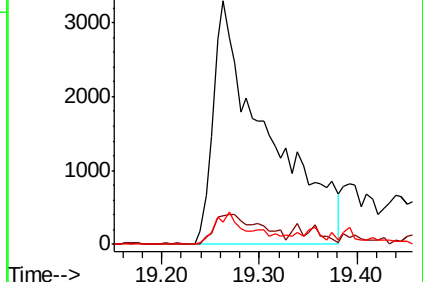
183 9.1 9.4 14.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 102.826 ng

RT: 19.63 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BP001600.D

Acq: 14 Jan 2020 22:21

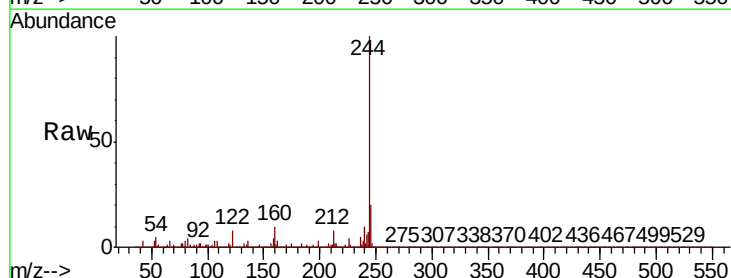
Tgt Ion:244 Resp: 821659

Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

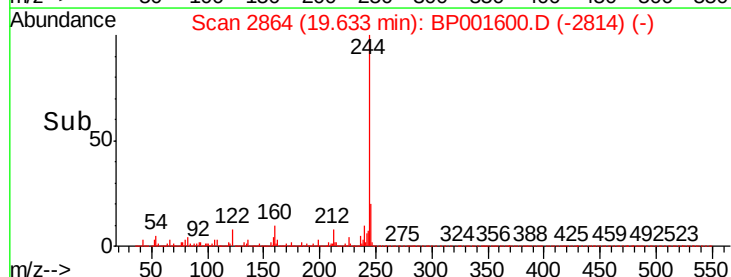
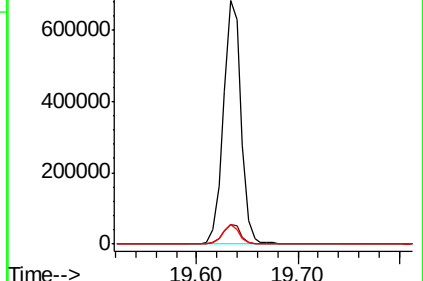
122 7.9 5.8 8.6

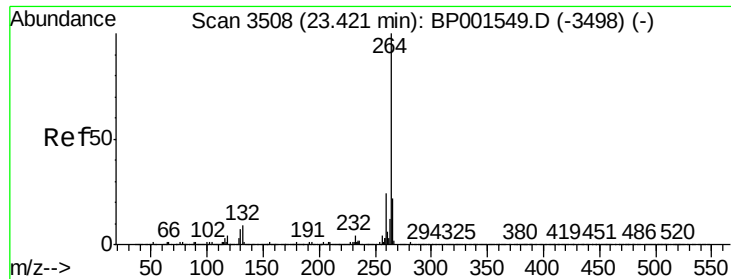


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BP001600.D
Acq: 14 Jan 2020 22:21

Instrument :
BNA_P
ClientSampleId :
BU-RO-229

Tot Ion:	264	Resp:	154813
Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.6
265	20.5	18.2	27.4

