

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
 Data File : BP000350.D
 Acq On : 20 Sep 2019 13:36
 Operator : HP/JU
 Sample : K4959-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 20 23:13:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

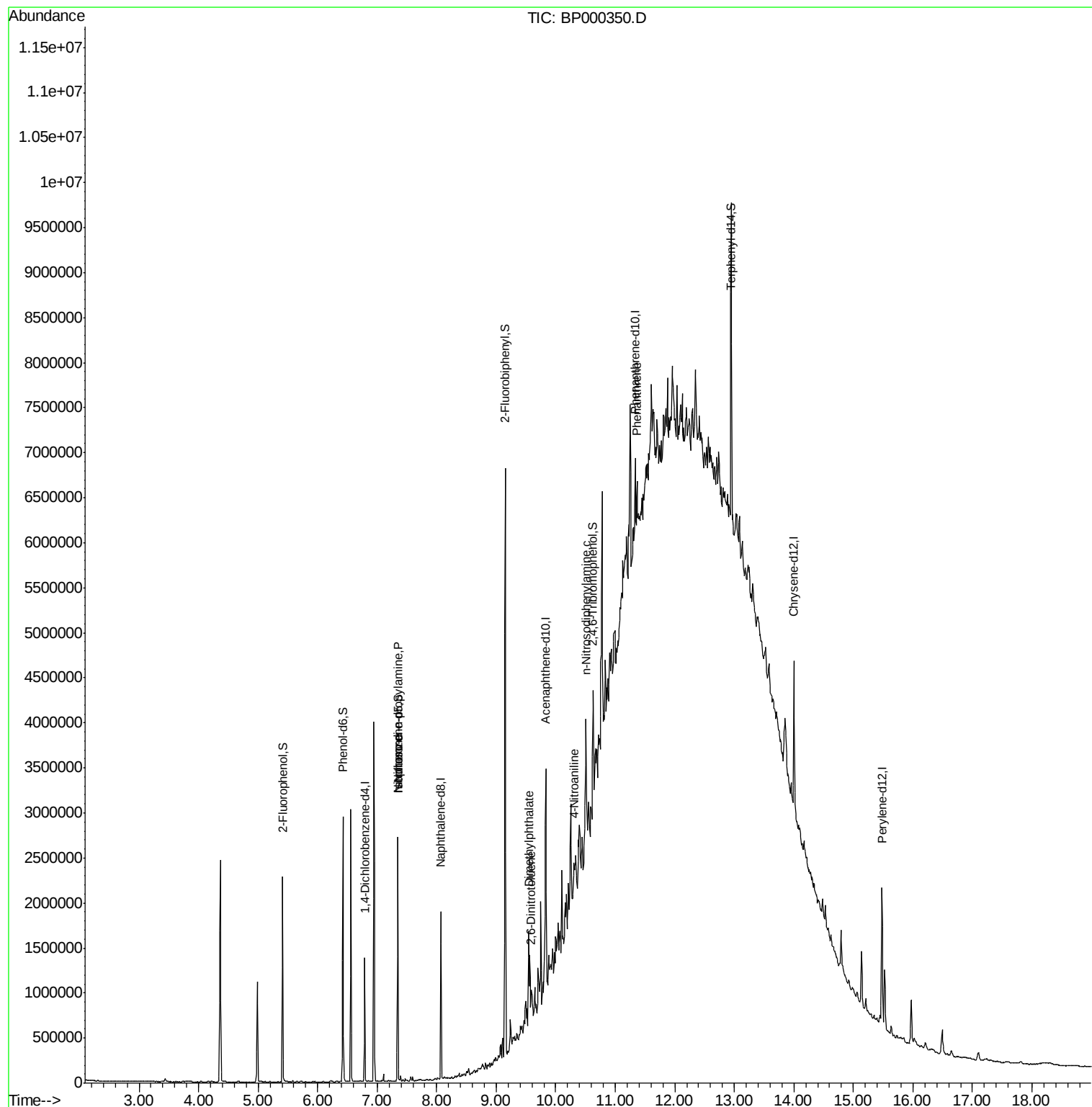
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	213574	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	798451	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	404267	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	520142	20.00	ng	0.00
76) Chrysene-d12	14.00	240	557425	20.00	ng	0.00
87) Perylene-d12	15.48	264	720048	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	663889	53.66	ng	0.00
7) Phenol-d6	6.43	99	1173947	77.41	ng	0.00
23) Nitrobenzene-d5	7.35	82	802939	64.88	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	178004	44.39	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1883838	83.87	ng	0.00
79) Terphenyl-d14	12.95	244	1512425	56.92	ng	0.01
Target Compounds						
9) Benzaldehyde	6.43	77	1910	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propylamine	7.35	70	99363	12.393	ng	# 76
25) Isophorone	7.35	82	802038	32.730	ng	# 63
50) Dimethylphthalate	9.54	163	152293	5.529	ng	# 93
51) 2,6-Dinitrotoluene	9.59	165	29503	4.872	ng	# 34
62) 4-Nitroaniline	10.30	138	16592	2.400	ng	# 79
66) n-Nitrosodiphenylamine	10.50	169	38454	2.456	ng	# 50
71) Phenanthrene	11.36	178	61147	2.346	ng	# 17

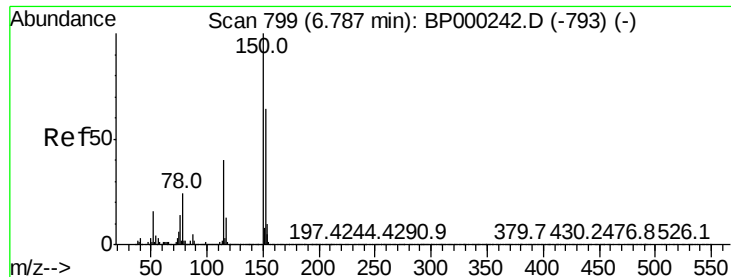
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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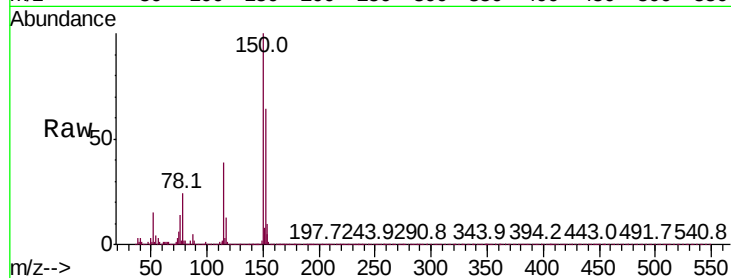


#1

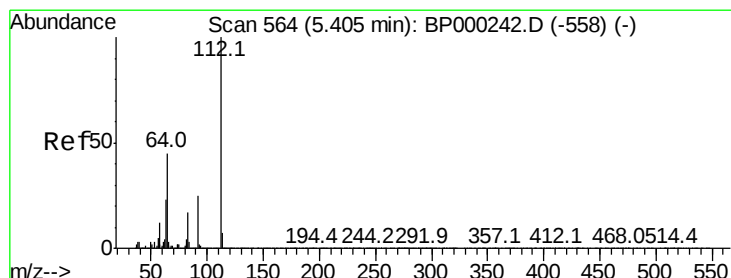
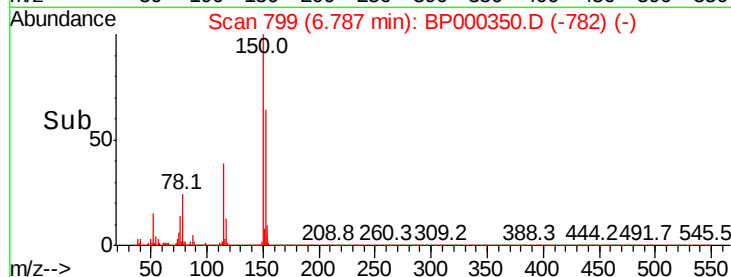
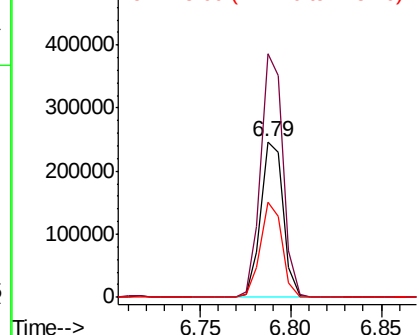
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BP000350.D
Acq: 20 Sep 2019 13:36

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 213574
Ion Ratio Lower Upper
152 100
150 156.3 125.2 187.8
115 61.4 49.7 74.5



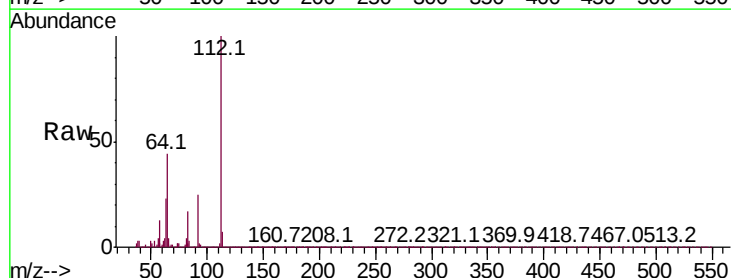
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



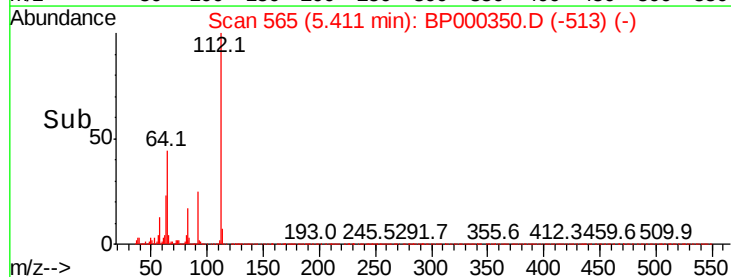
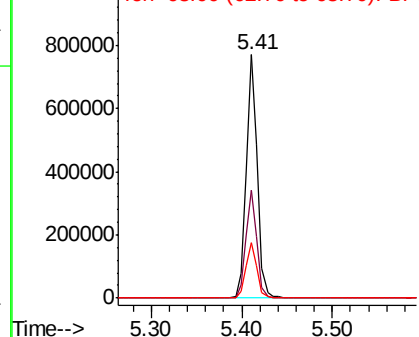
#5

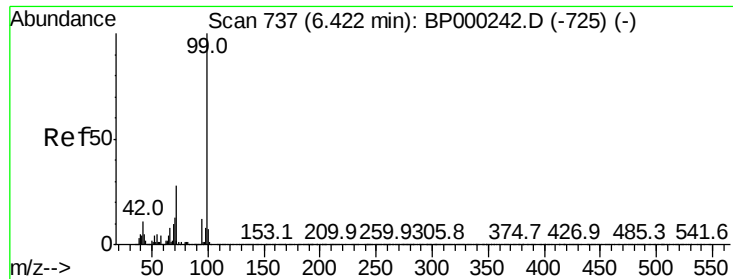
2-Fluorophenol
Concen: 53.663 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000350.D
Acq: 20 Sep 2019 13:36

Tgt Ion:112 Resp: 663889
Ion Ratio Lower Upper
112 100
64 44.2 36.2 54.4
63 23.0 18.3 27.5



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: 77.413 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

Instrument :

BNA_P

ClientSampleId :

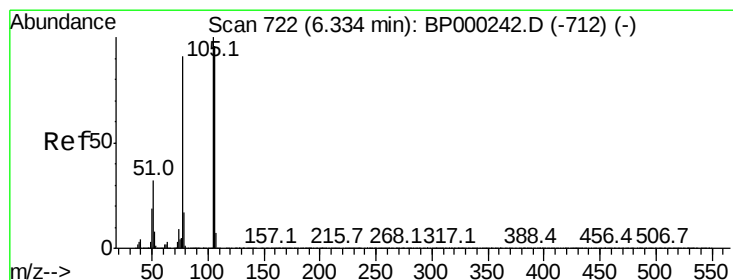
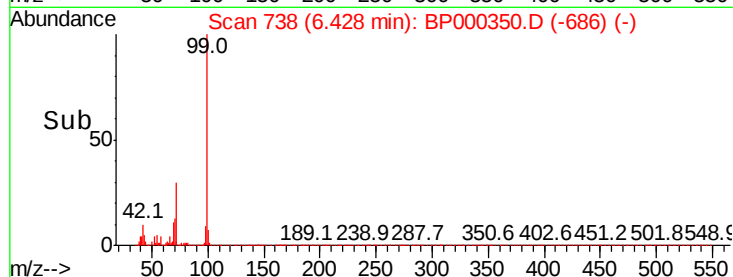
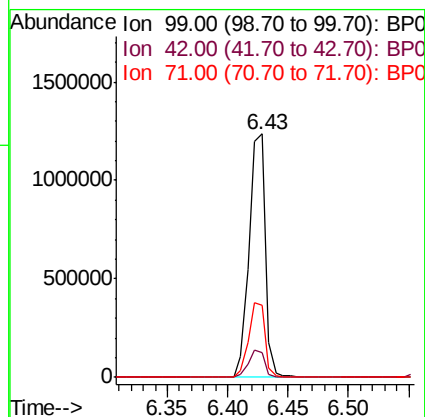
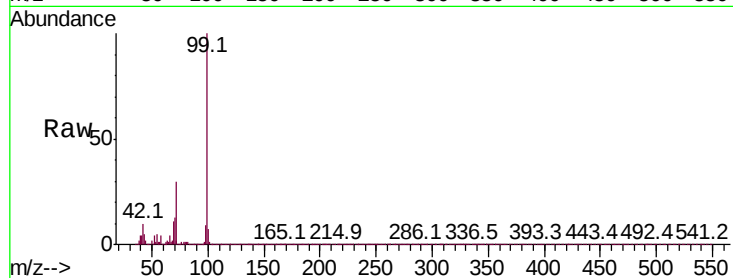
Tot Ion: 99 Resp: 1173947

Ion Ratio Lower Upper

99 100

42 10.4 8.5 12.7

71 29.8 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.43 min Scan# 738

Delta R.T. 0.09 min

Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

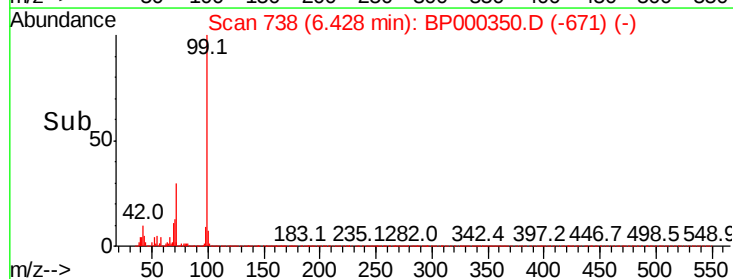
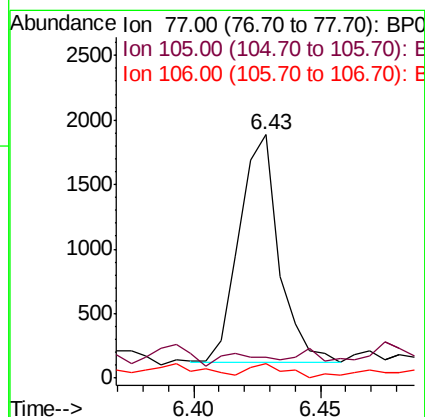
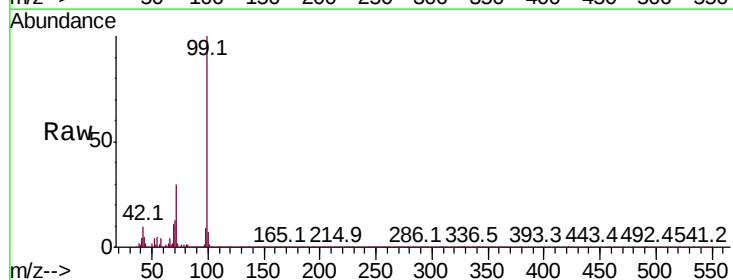
Tgt Ion: 77 Resp: 1910

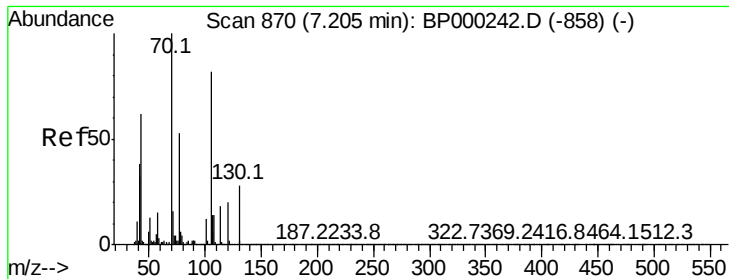
Ion Ratio Lower Upper

77 100

105 8.5 89.6 129.6#

106 6.1 84.6 124.6#





#19

n-Nitroso-di-n-propylamine

Concen: 12.393 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000350.D

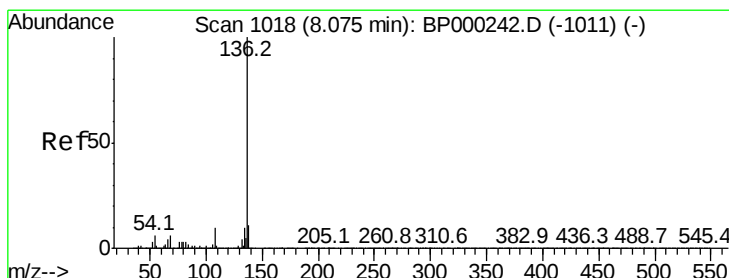
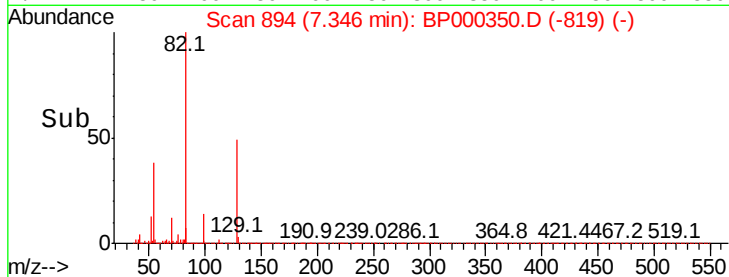
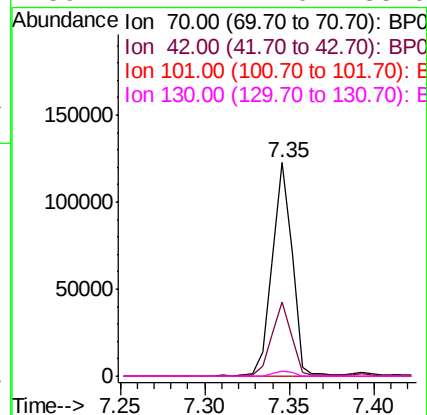
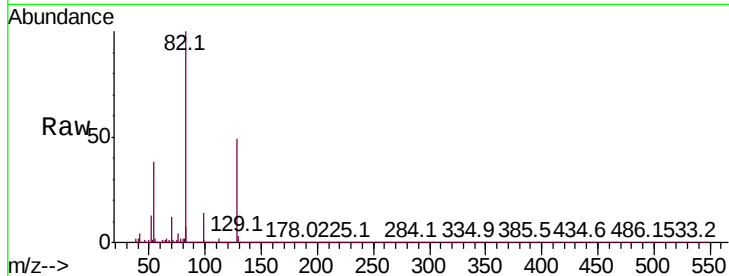
Acq: 20 Sep 2019 13:36

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	70	Resp:	99363
Ion	Ratio	Lower	Upper
70	100		
42	35.0	30.7	46.1
101	0.0	9.6	14.4#
130	2.7	22.0	33.0#



#21

Naphthalene-d8

Concen: 20.000 ng

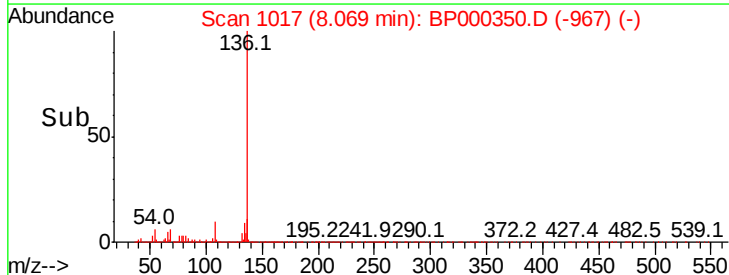
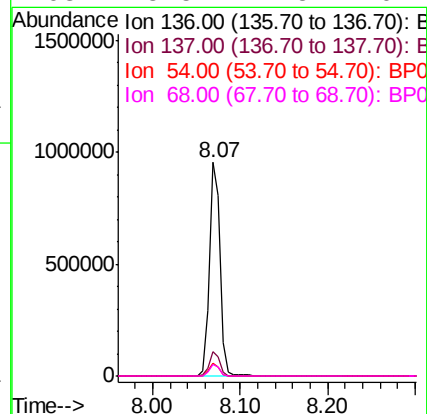
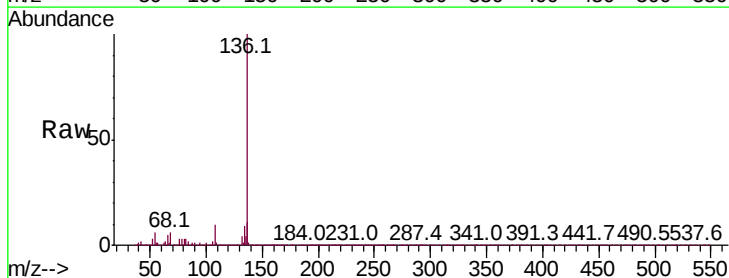
RT: 8.07 min Scan# 1017

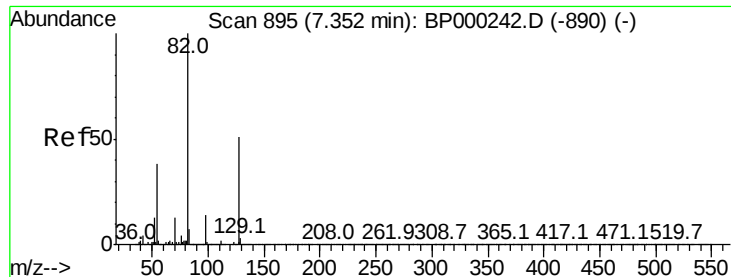
Delta R.T. -0.01 min

Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

Tgt Ion:	136	Resp:	798451
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	5.8	4.5	6.7
68	5.5	4.5	6.7

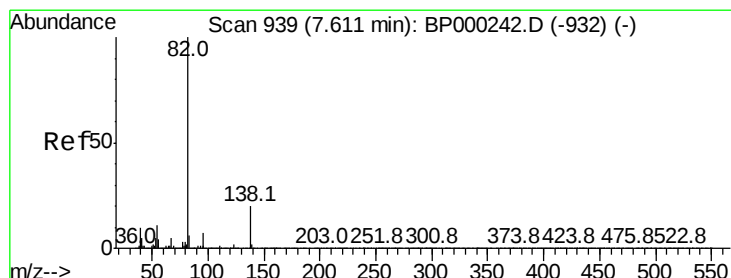
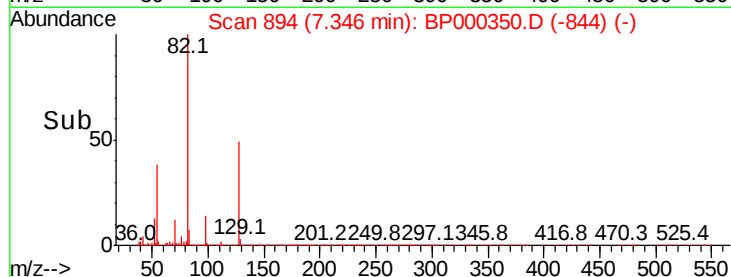
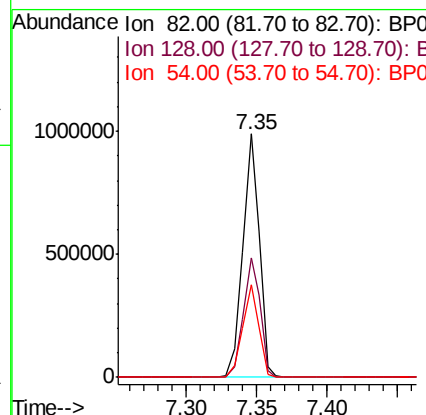
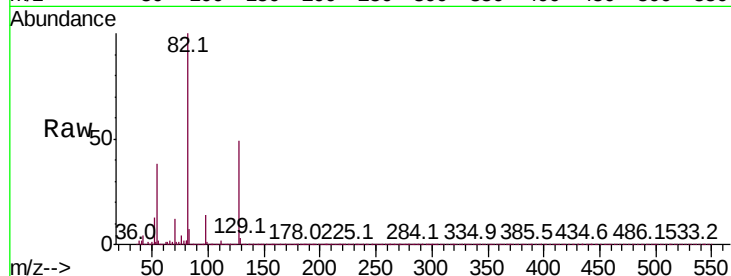




#23
Nitrobenzene-d5
Concen: 64.882 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000350.D
Acq: 20 Sep 2019 13:36

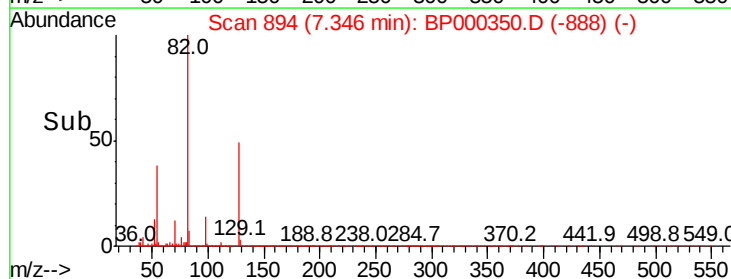
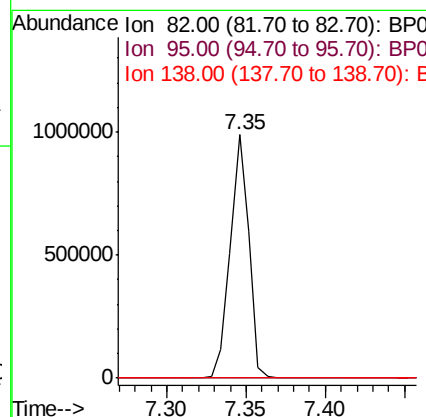
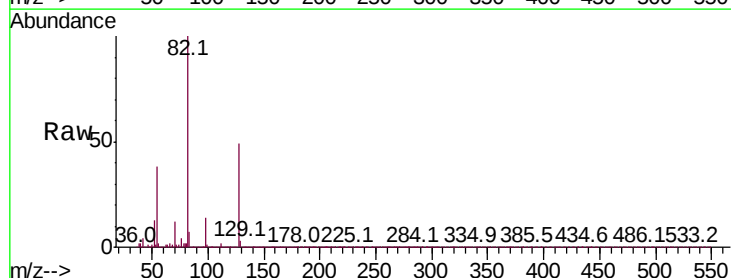
Instrument :
BNA_P
ClientSampleId :

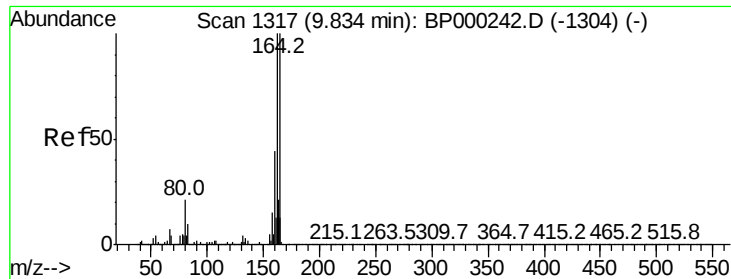
Tot Ion	82	Resp	802939
Ion Ratio	100	Lower	Upper
128	49.0	40.7	61.1
54	38.1	30.1	45.1



#25
Isophorone
Concen: 32.730 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.26 min
Lab File: BP000350.D
Acq: 20 Sep 2019 13:36

Tgt Ion	82	Resp	802038
Ion Ratio	100	Lower	Upper
95	0.1	5.9	8.9#
138	0.0	15.9	23.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

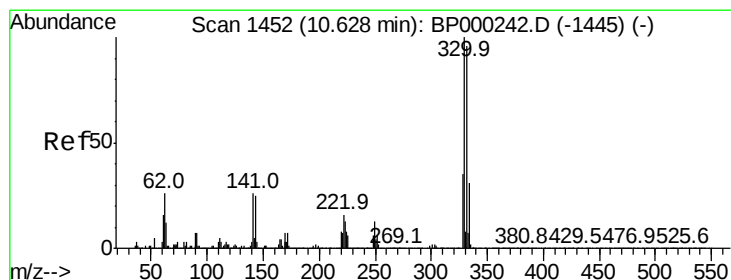
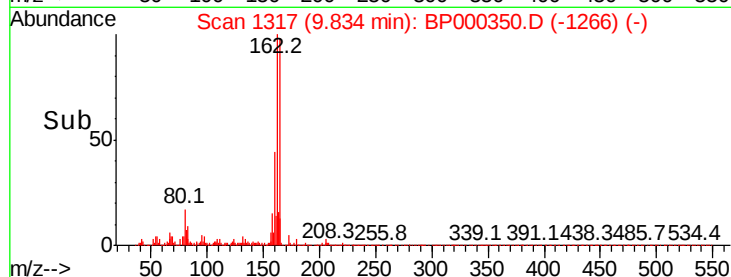
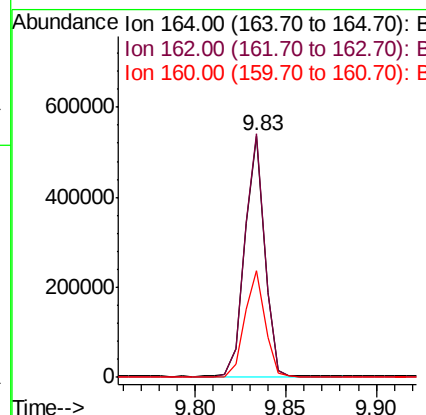
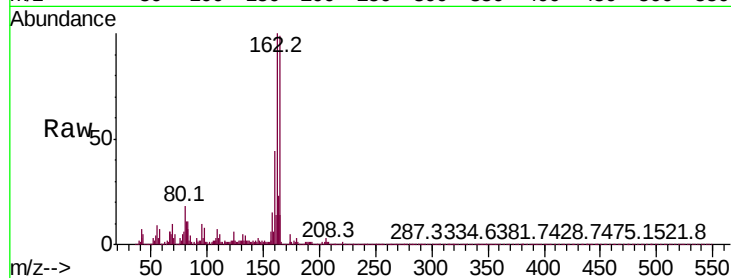
Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

Instrument :
BNA_P
ClientSampleId :

Tot Ion:164 Resp: 404267

Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.9	119.9
160	44.5	35.6	53.4



#42

2,4,6-Tribromophenol

Concen: 44.392 ng

RT: 10.63 min Scan# 1452

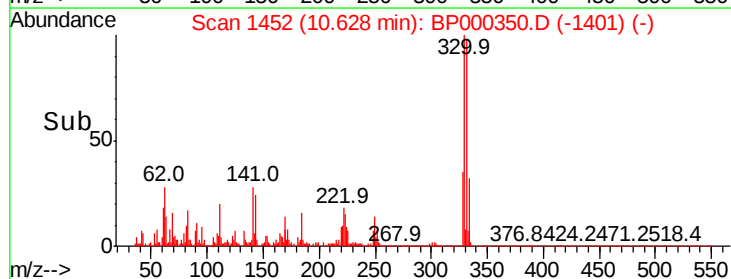
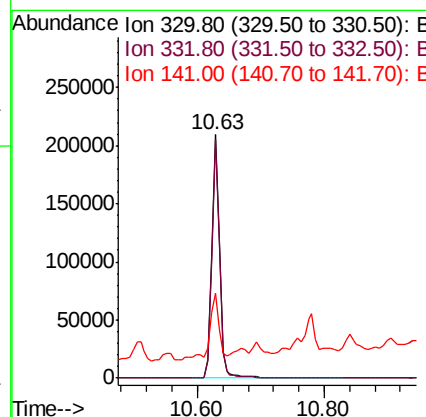
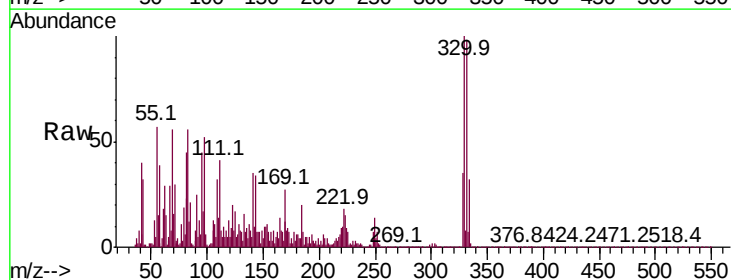
Delta R.T. 0.00 min

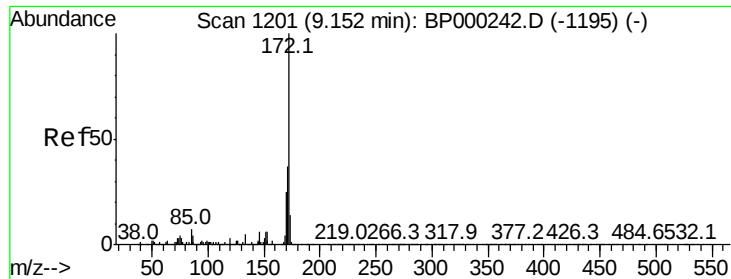
Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

Tgt Ion:330 Resp: 178004

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	31.7	26.5	39.7

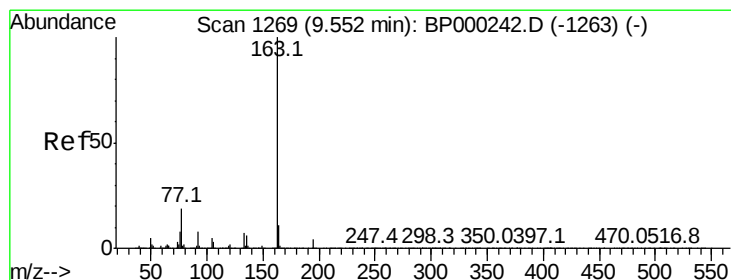
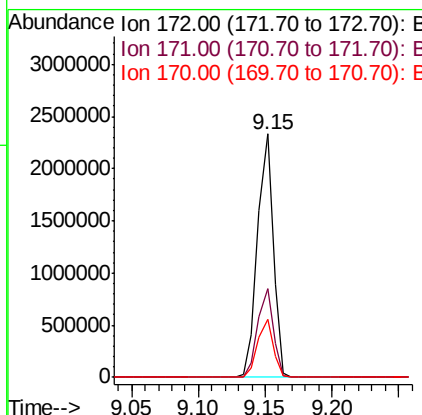
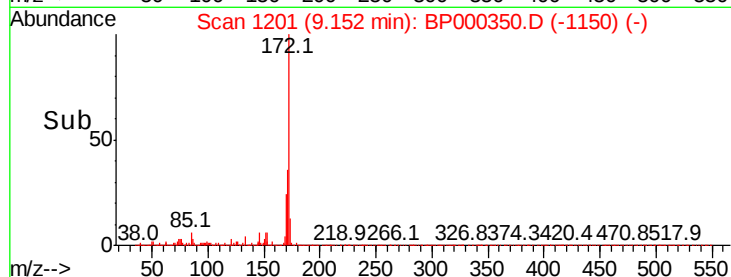
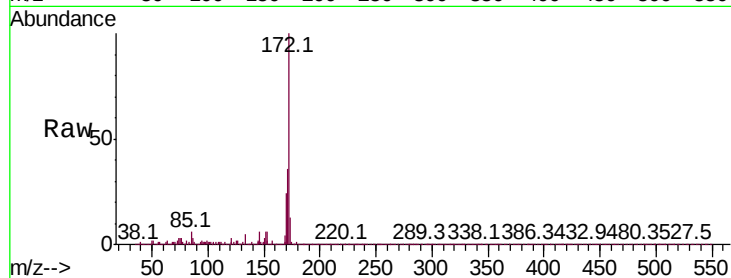




#45
2-Fluorobiphenyl
Concen: 83.869 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000350.D
Acq: 20 Sep 2019 13:36

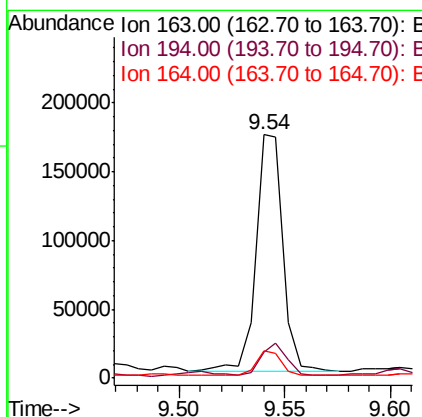
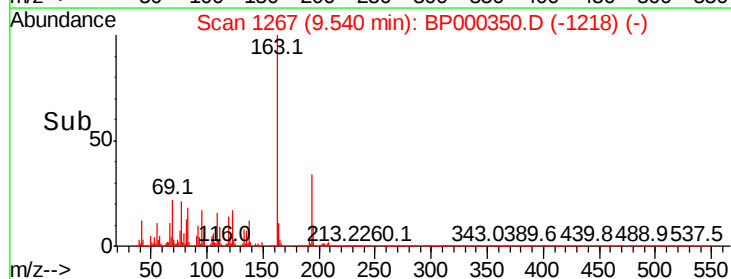
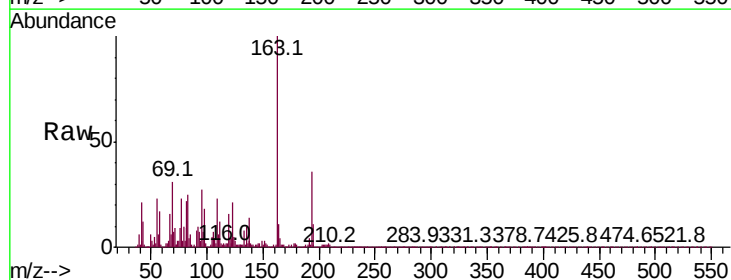
Instrument :
BNA_P
ClientSampleId :

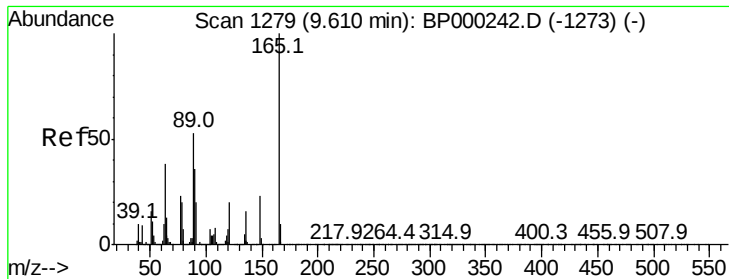
Tot Ion:172 Resp: 1883838
Ion Ratio Lower Upper
172 100
171 36.3 29.8 44.6
170 23.9 19.8 29.6



#50
Dimethylphthalate
Concen: 5.529 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000350.D
Acq: 20 Sep 2019 13:36

Tgt Ion:163 Resp: 152293
Ion Ratio Lower Upper
163 100
194 10.5 3.4 5.0#
164 11.4 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 4.872 ng

RT: 9.59 min Scan# 1275

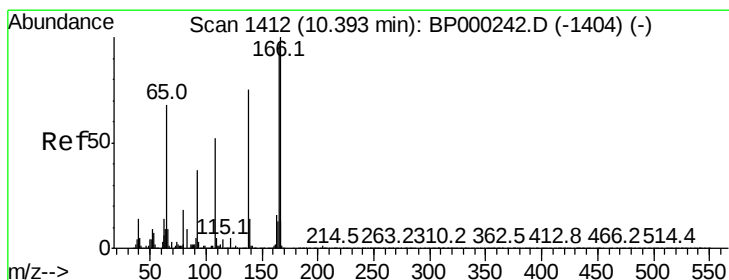
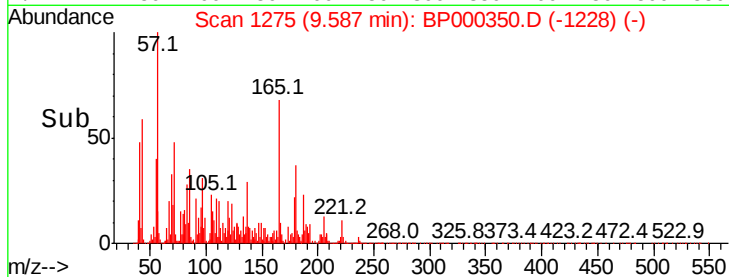
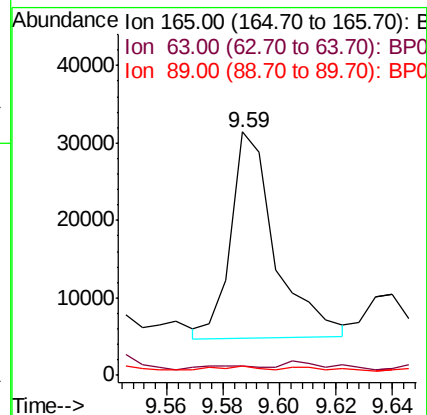
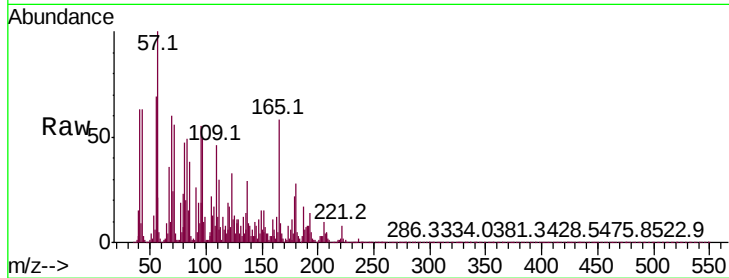
Delta R.T. -0.02 min

Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

Instrument :
BNA_P
ClientSampleId :

Tot Ion:	165	Resp:	29503
Ion	Ratio	Lower	Upper
165	100		
63	3.6	35.8	53.8#
89	4.0	42.6	63.8#



#62

4-Nitroaniline

Concen: 2.400 ng

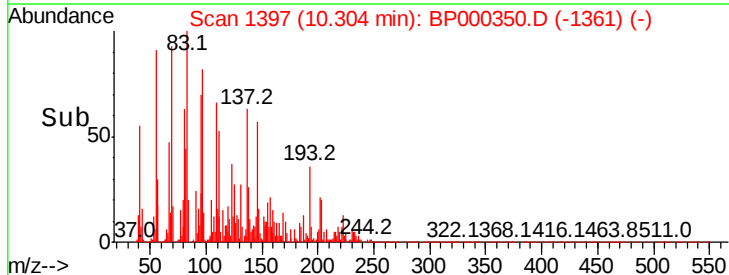
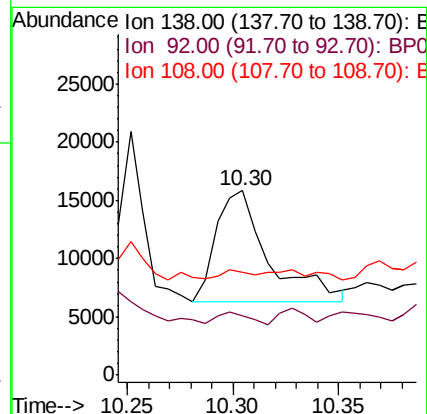
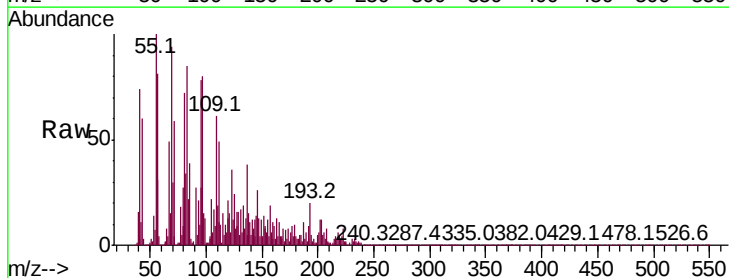
RT: 10.30 min Scan# 1397

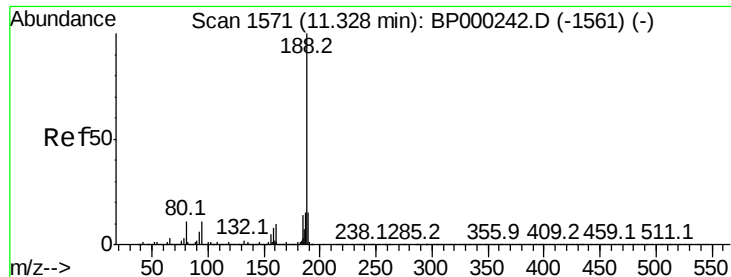
Delta R.T. -0.09 min

Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

Tgt Ion:	138	Resp:	16592
Ion	Ratio	Lower	Upper
138	100		
92	31.9	30.1	70.1
108	55.8	49.5	89.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

Instrument :

BNA_P

ClientSampleId :

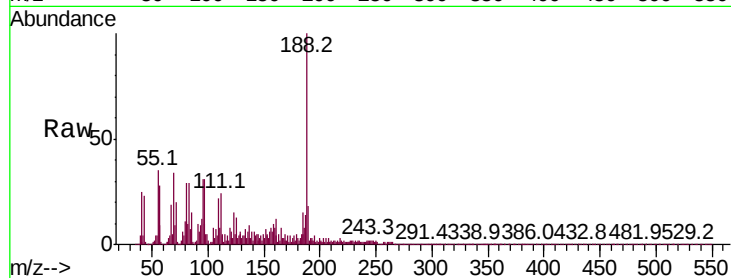
Tot Ion:188 Resp: 520142

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

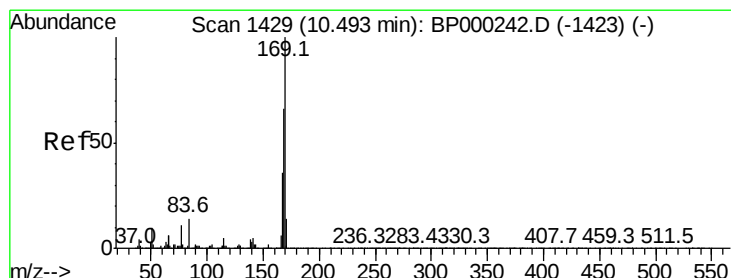
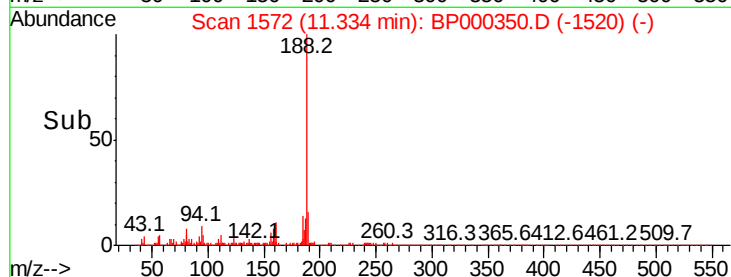
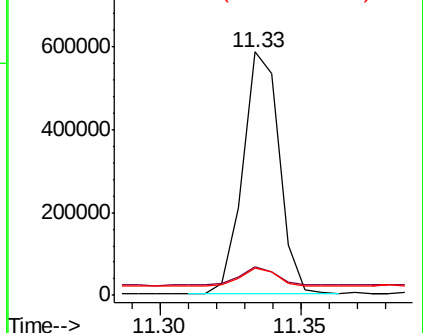
80 11.4 8.6 13.0



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



#66

n-Nitrosodiphenylamine

Concen: 2.456 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

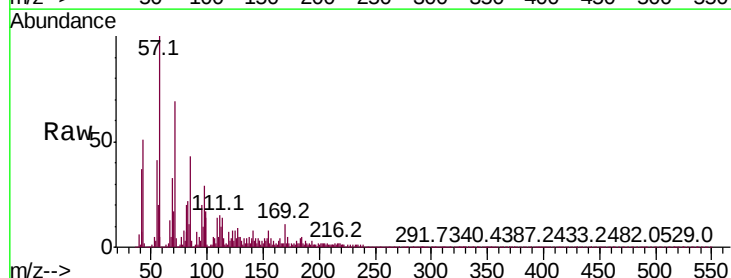
Tgt Ion:169 Resp: 38454

Ion Ratio Lower Upper

169 100

168 20.0 52.9 79.3#

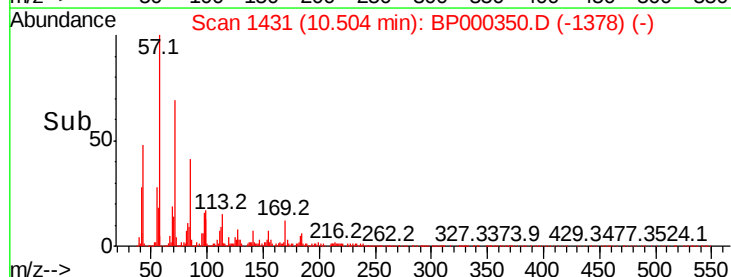
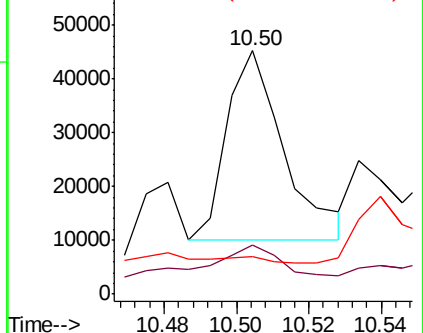
167 15.2 29.0 43.6#

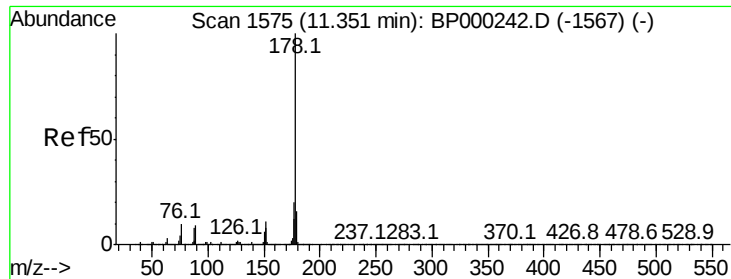


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

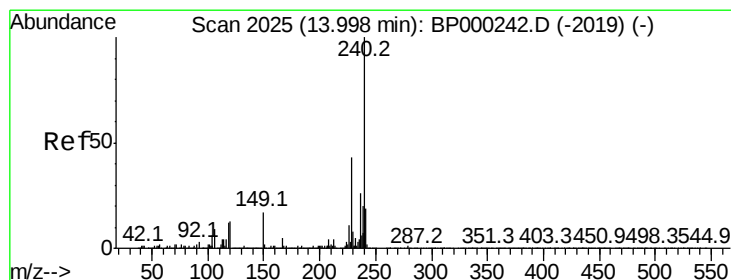
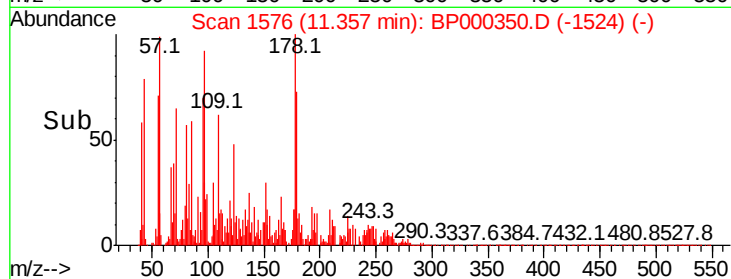
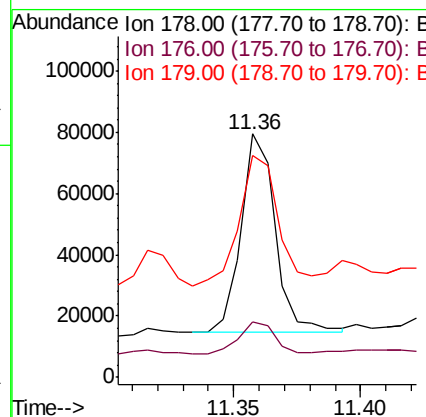
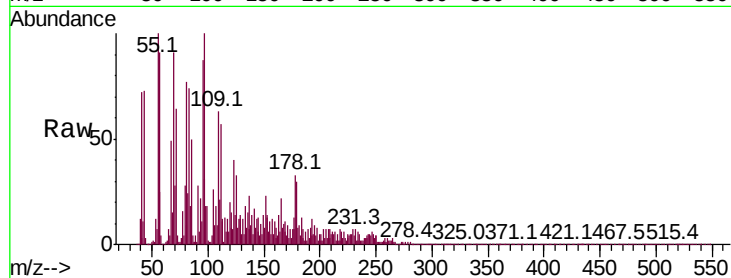




#71
Phenanthrene
Concen: 2.346 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BP000350.D
Acq: 20 Sep 2019 13:36

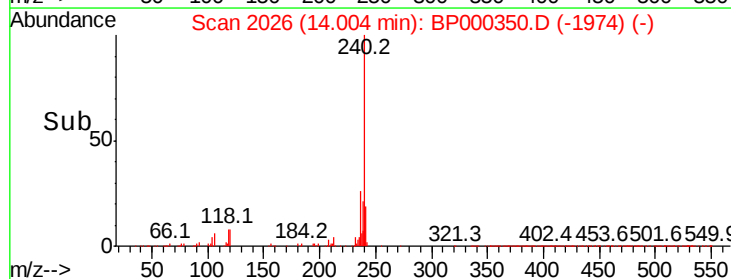
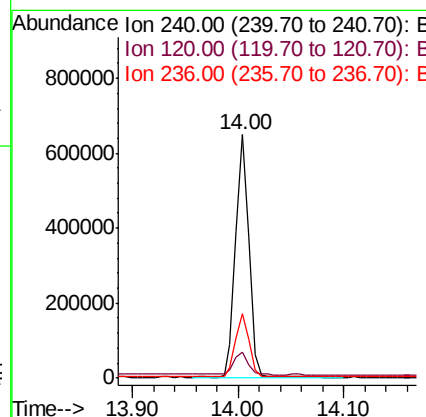
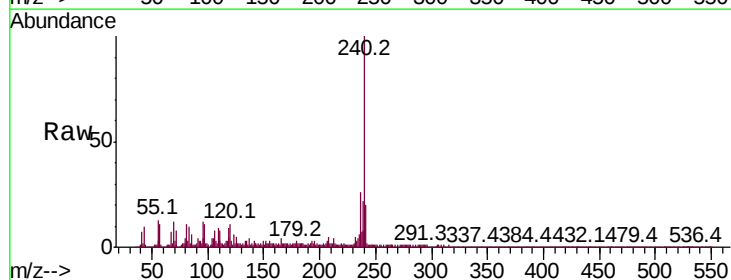
Instrument :
BNA_P
ClientSampled :

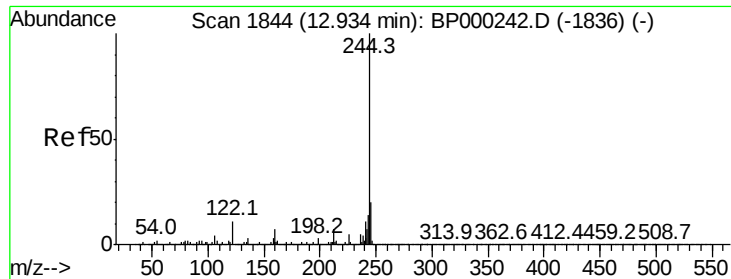
Tot Ion:178 Resp: 61147
Ion Ratio Lower Upper
178 100
176 22.8 15.8 23.8
179 91.0 12.7 19.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BP000350.D
Acq: 20 Sep 2019 13:36

Tgt Ion:240 Resp: 557425
Ion Ratio Lower Upper
240 100
120 10.8 10.4 15.6
236 26.3 21.0 31.6





#79

Terphenyl-d14

Concen: 56.919 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

Instrument :

BNA_P

ClientSampled :

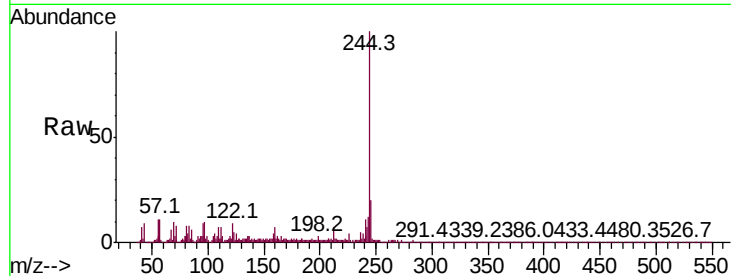
Tot Ion:244 Resp: 1512425

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

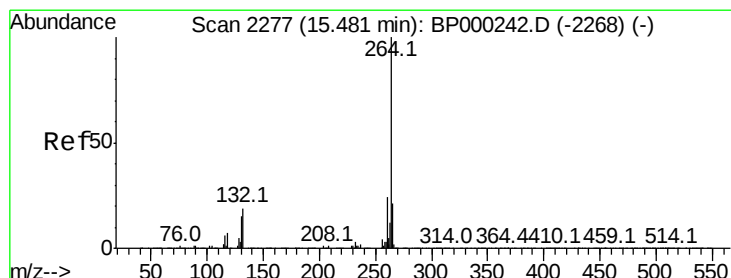
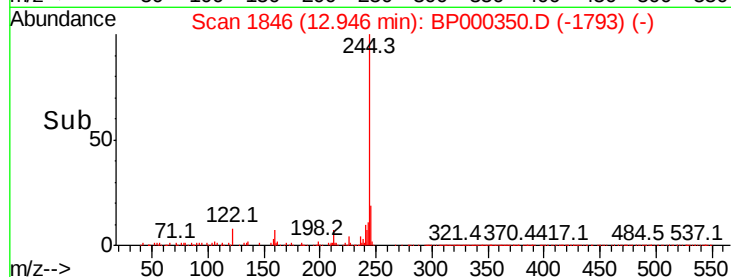
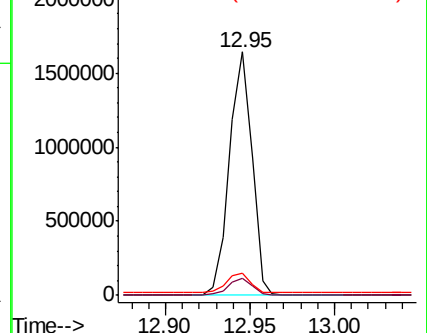
122 9.2 9.0 13.4



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: 15.48 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BP000350.D

Acq: 20 Sep 2019 13:36

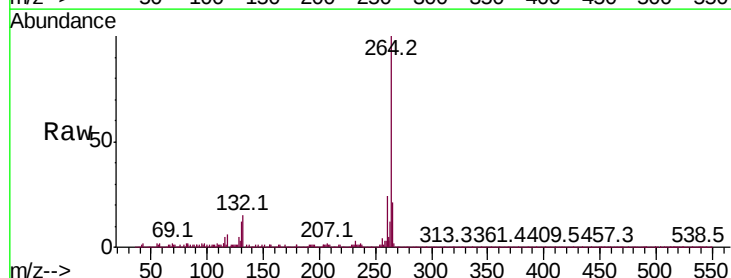
Tgt Ion:264 Resp: 720048

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.4 17.2 25.8



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

