

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000306.D
 Acq On : 18 Sep 2019 18:50
 Operator : HP/JU
 Sample : K4942-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 19 04:20:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	285874	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1028436	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	574064	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1043907	20.00	ng	0.00
76) Chrysene-d12	13.99	240	842104	20.00	ng	-0.01
87) Perylene-d12	15.47	264	910676	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1513792	91.42	ng	0.01
7) Phenol-d6	6.43	99	1937256	95.44	ng	0.00
23) Nitrobenzene-d5	7.35	82	1105585	69.36	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	662134	116.29	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2444425	76.64	ng	0.00
79) Terphenyl-d14	12.93	244	2720789	67.78	ng	0.00

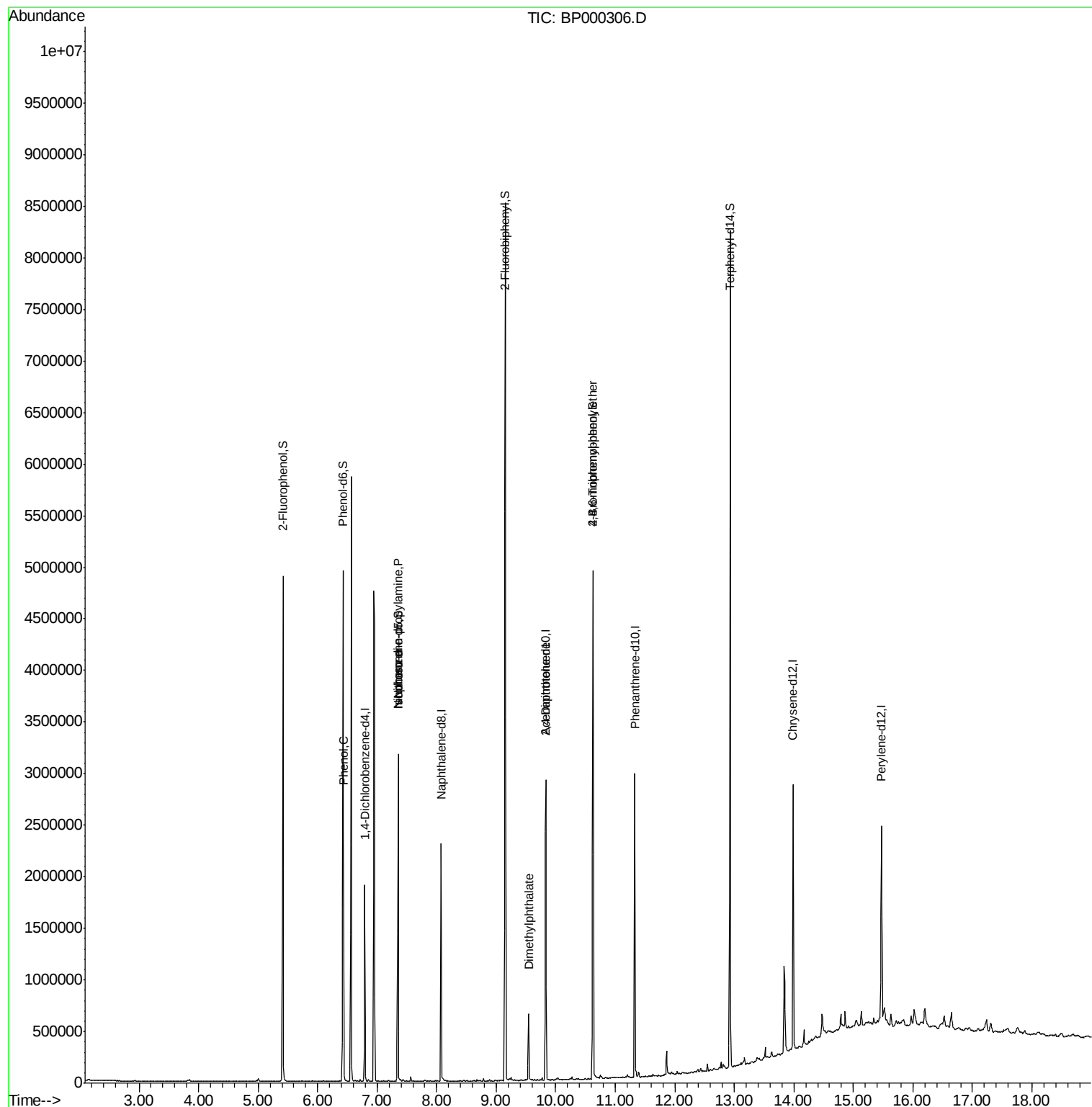
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	33083	Below Cal		84
10) Phenol	6.44	94	53438	2.317 ng		99
19) n-Nitroso-di-n-propylamine	7.35	70	135032	12.582 ng	#	76
25) Isophorone	7.35	82	1103363	34.957 ng	#	63
50) Dimethylphthalate	9.55	163	283071	7.237 ng		98
57) 2,4-Dinitrotoluene	9.83	165	75601	6.725 ng	#	35
67) 4-Bromophenyl-phenylether	10.62	248	44462	3.767 ng	#	1
69) Atrazine	11.02	200	433	Below Cal	#	48

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

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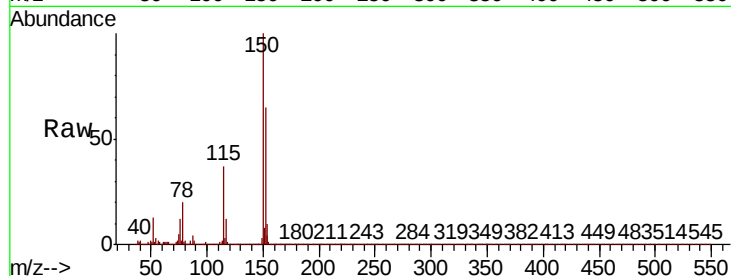


#1

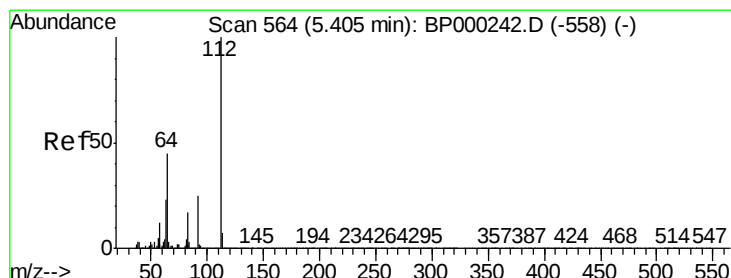
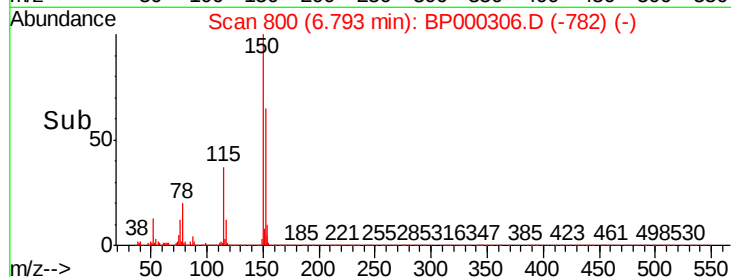
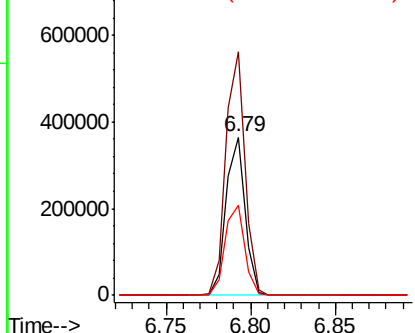
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000306.D
Acq: 18 Sep 2019 18:50

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 285874
Ion Ratio Lower Upper
152 100
150 153.8 125.2 187.8
115 56.6 49.7 74.5



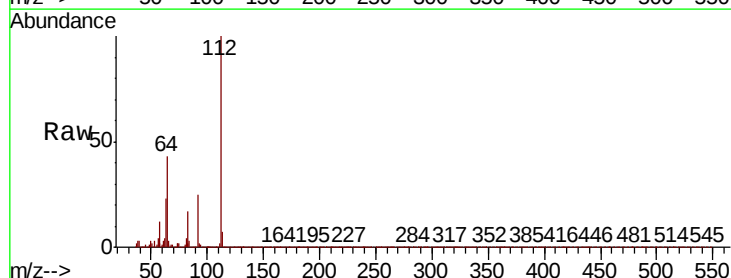
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



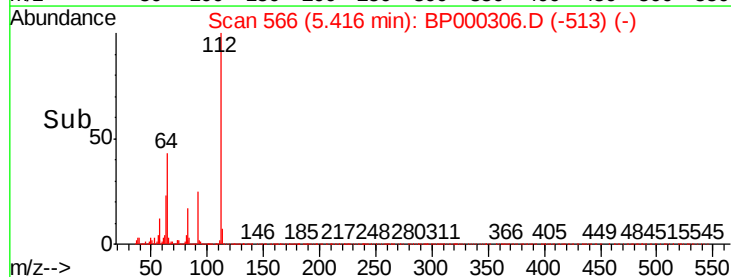
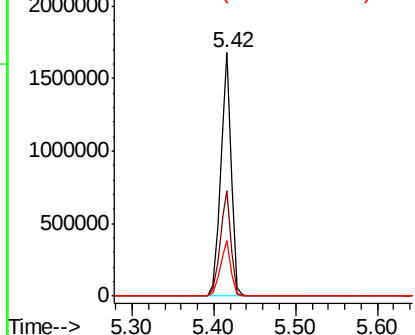
#5

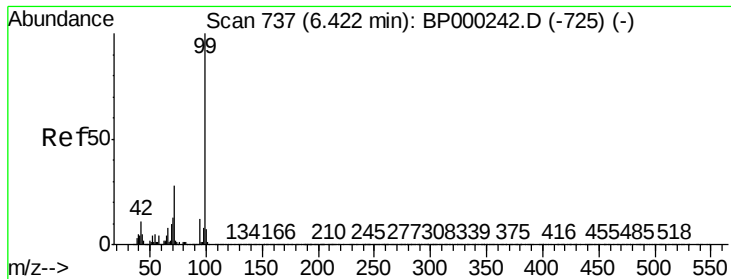
2-Fluorophenol
Concen: 91.416 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000306.D
Acq: 18 Sep 2019 18:50

Tgt Ion:112 Resp: 1513792
Ion Ratio Lower Upper
112 100
64 43.4 36.2 54.4
63 22.7 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: 95.439 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

Instrument :

BNA_P

ClientSampled :

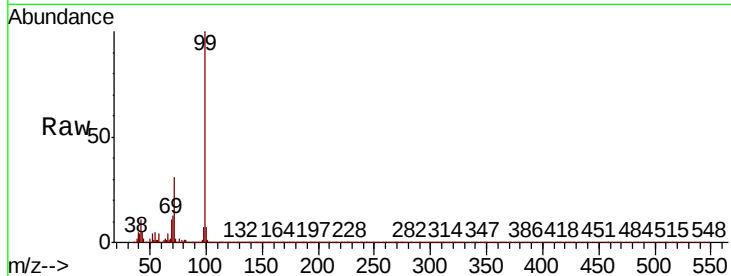
Tot Ion: 99 Resp: 1937256

Ion Ratio Lower Upper

99 100

42 11.2 8.5 12.7

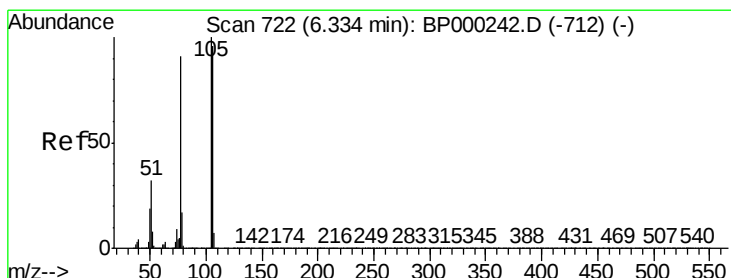
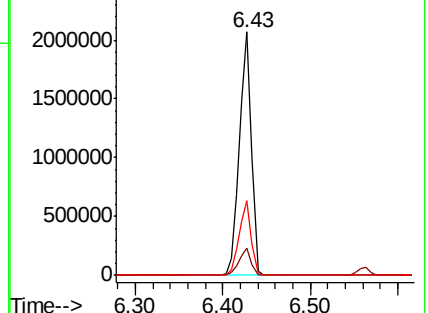
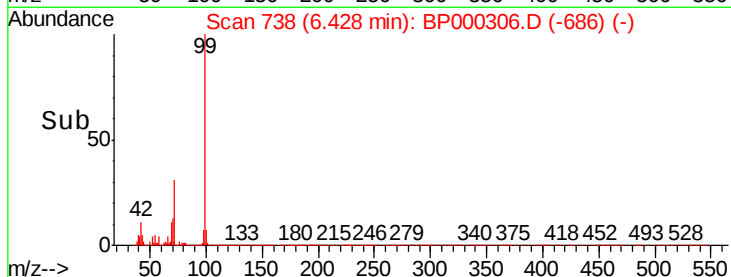
71 30.8 22.6 34.0



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.56 min Scan# 761

Delta R.T. 0.23 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

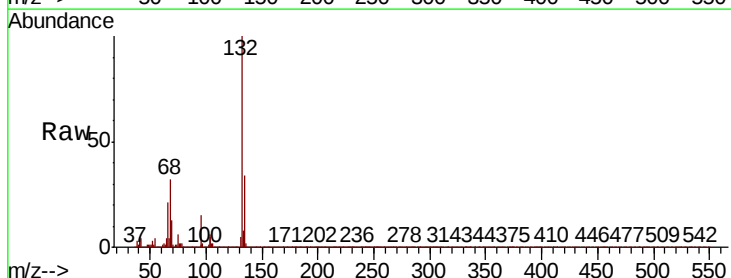
Tgt Ion: 77 Resp: 33083

Ion Ratio Lower Upper

77 100

105 94.8 89.6 129.6

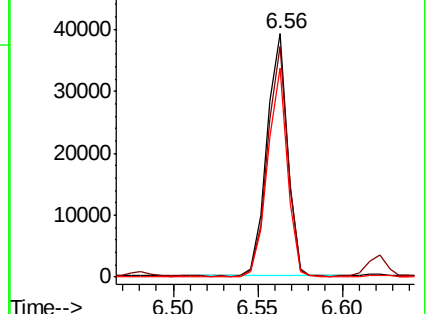
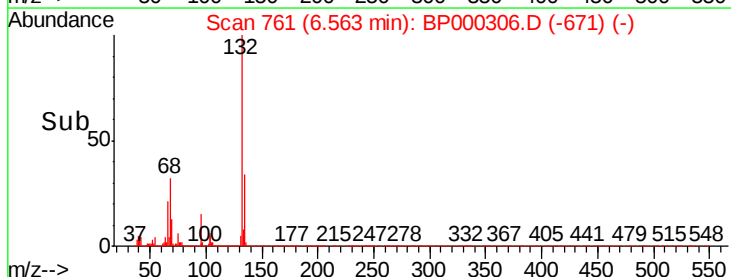
106 85.7 84.6 124.6

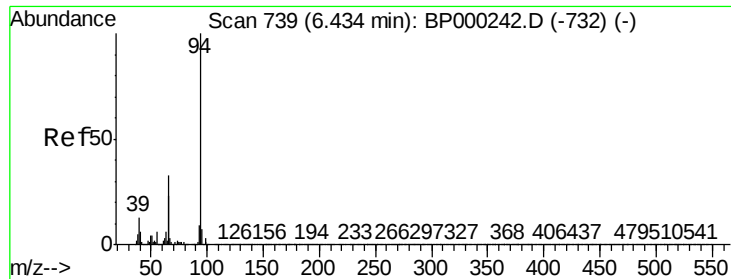


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.317 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

Instrument :

BNA_P

ClientSampled :

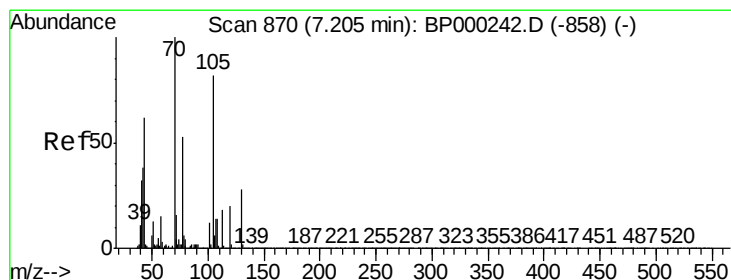
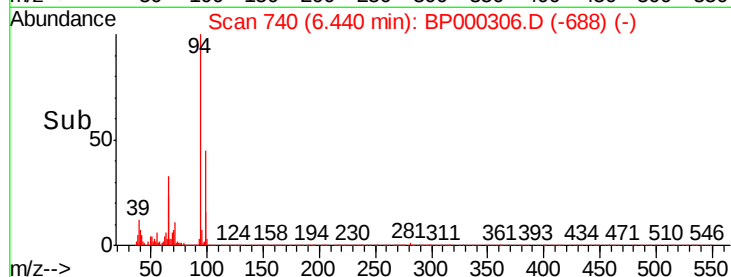
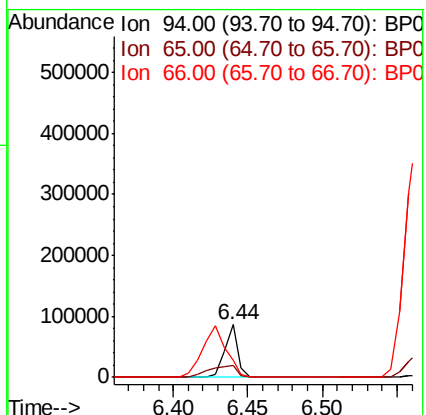
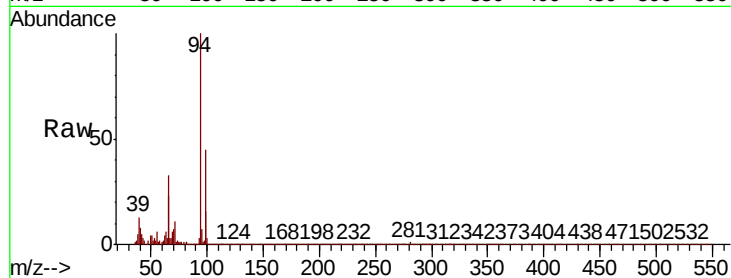
Tot Ion: 94 Resp: 53438

Ion Ratio Lower Upper

94 100

65 22.7 3.3 43.3

66 32.5 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.582 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

Tgt Ion: 70 Resp: 135032

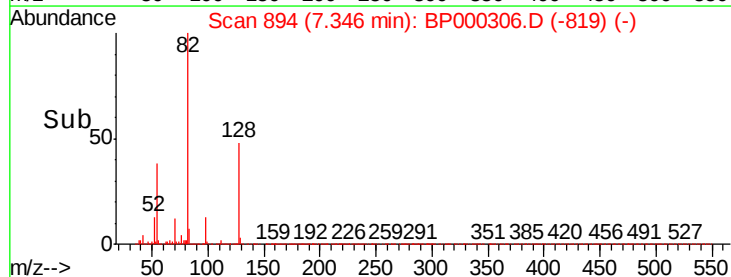
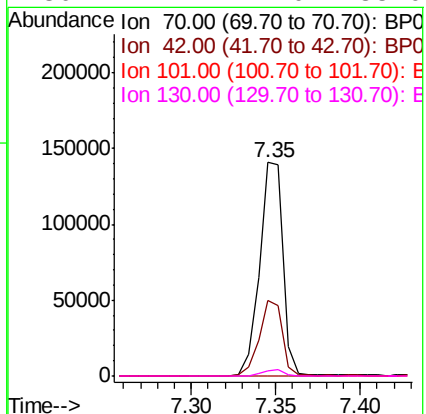
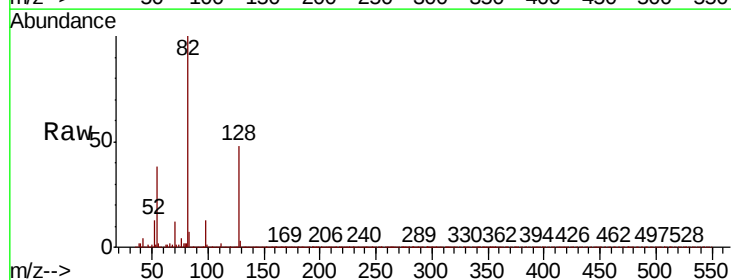
Ion Ratio Lower Upper

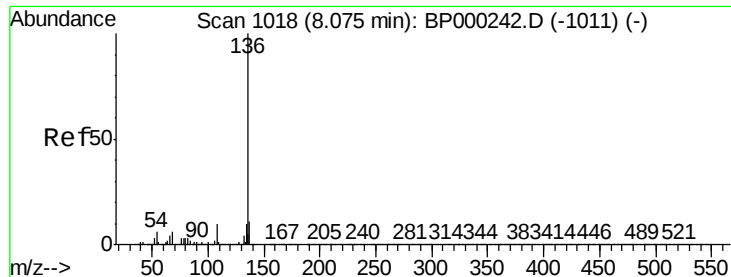
70 100

42 35.2 30.7 46.1

101 0.0 9.6 14.4#

130 2.7 22.0 33.0#

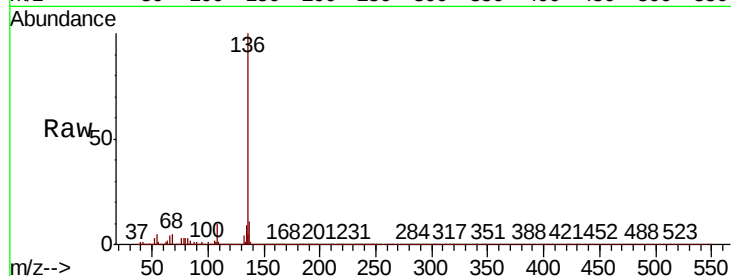




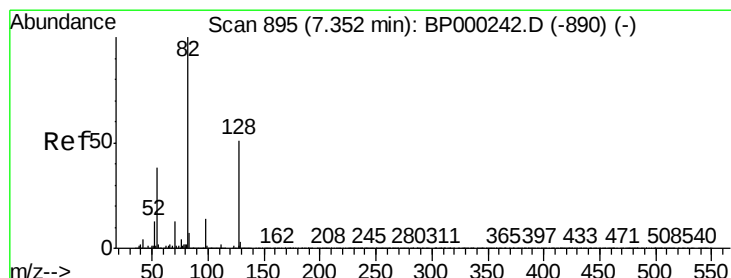
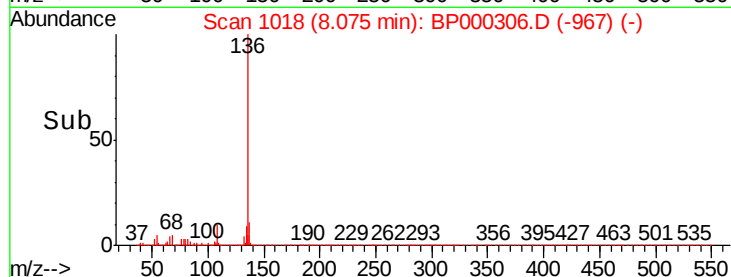
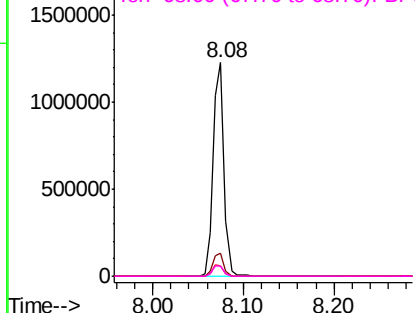
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000306.D
Acq: 18 Sep 2019 18:50

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136 Resp: 1028436
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.0 4.5 6.7
68 4.9 4.5 6.7

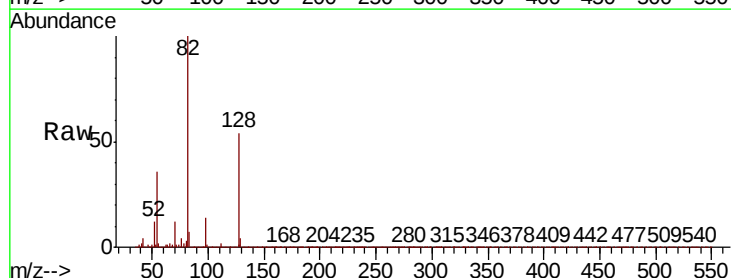


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

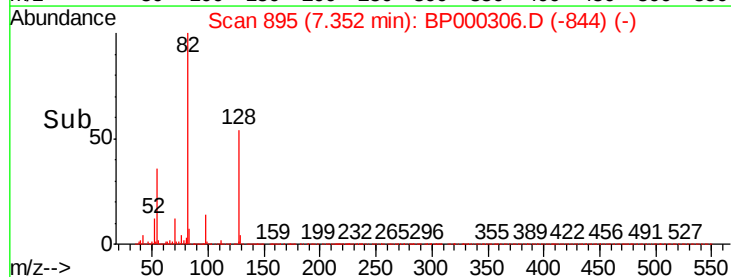
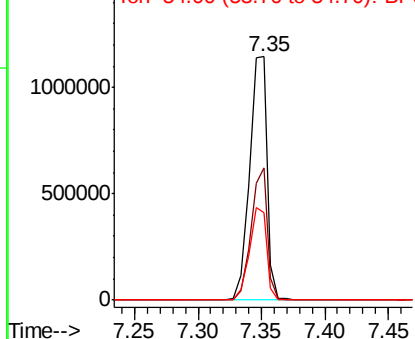


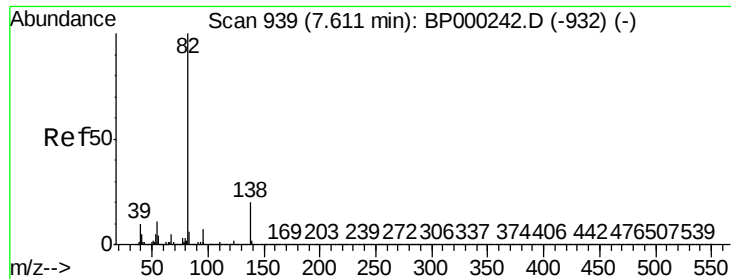
#23
Nitrobenzene-d5
Concen: 69.359 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.00 min
Lab File: BP000306.D
Acq: 18 Sep 2019 18:50

Tgt Ion: 82 Resp: 1105585
Ion Ratio Lower Upper
82 100
128 54.1 40.7 61.1
54 35.8 30.1 45.1



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0





#25

Isophorone

Concen: 34.957 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

Instrument :

BNA_P

ClientSampleId :

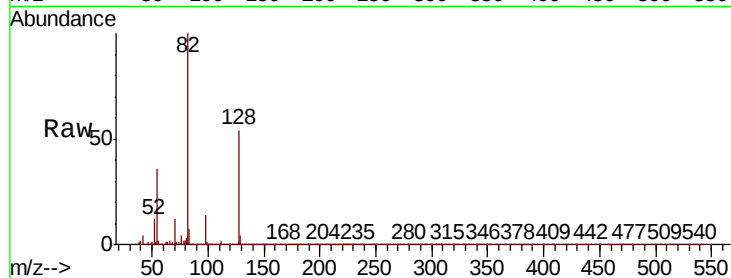
Tot Ion: 82 Resp: 1103363

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

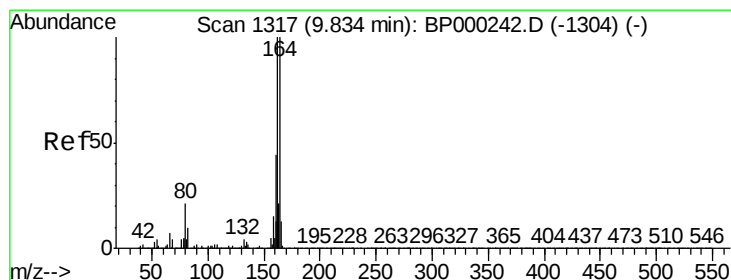
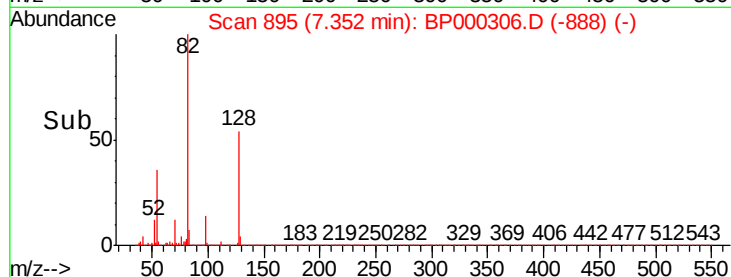
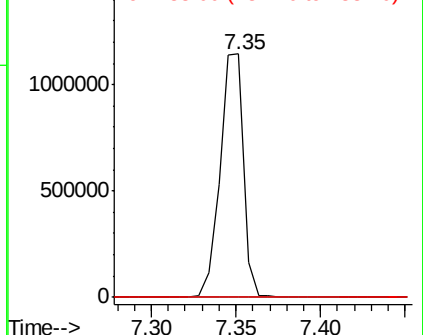
138 0.0 15.9 23.9#



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: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

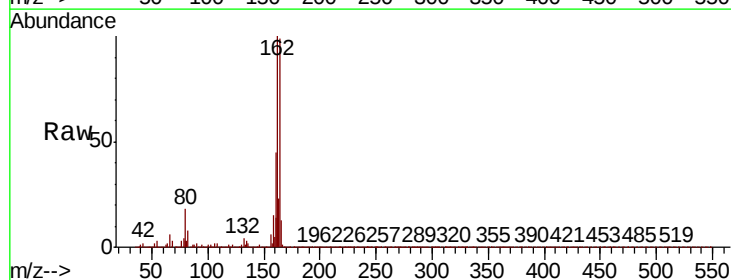
Tgt Ion: 164 Resp: 574064

Ion Ratio Lower Upper

164 100

162 101.5 79.9 119.9

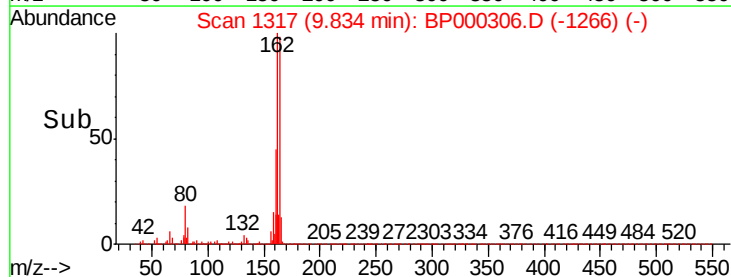
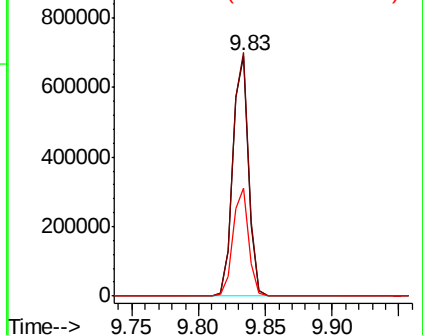
160 45.2 35.6 53.4

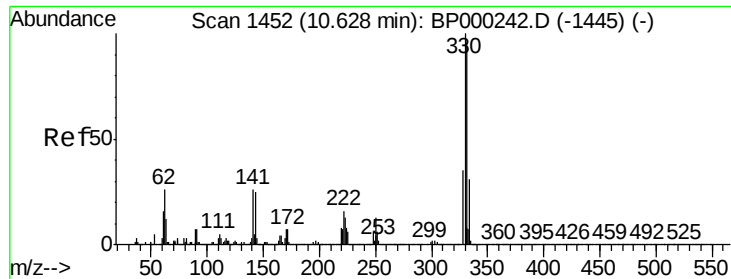


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

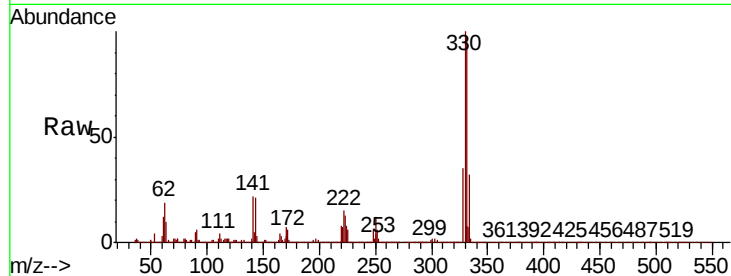




#42
 2,4,6-Tribromophenol
 Concen: 116.287 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BP000306.D
 Acq: 18 Sep 2019 18:50

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	29.6	26.5	39.7

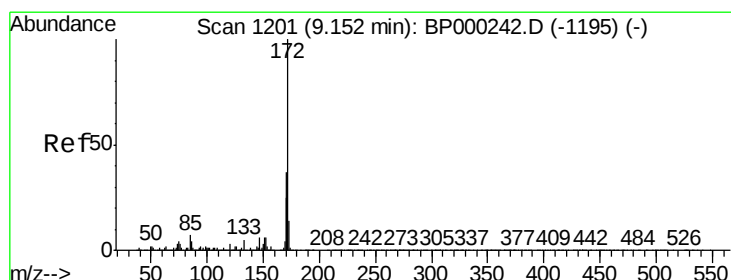
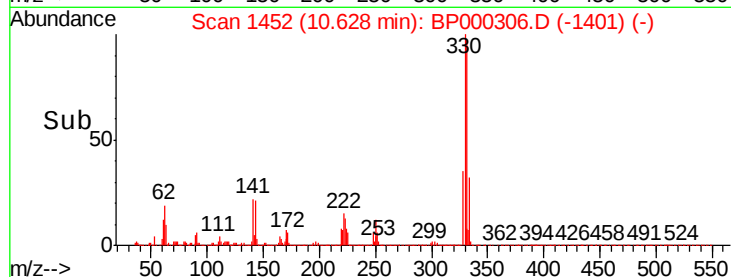
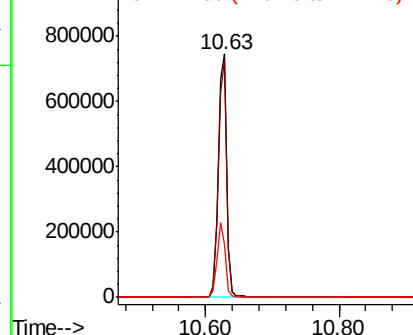


Abundance

Ion 329.80 (329.50 to 330.50): E

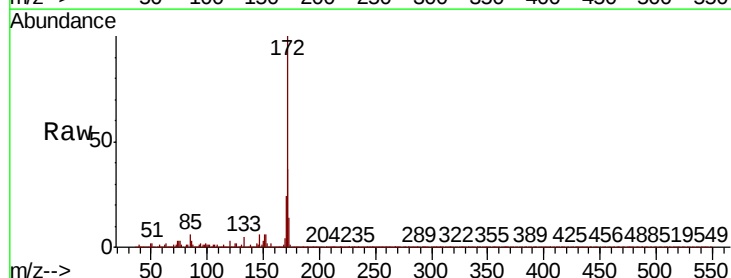
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.638 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BP000306.D
 Acq: 18 Sep 2019 18:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.8	44.6
170	24.3	19.8	29.6

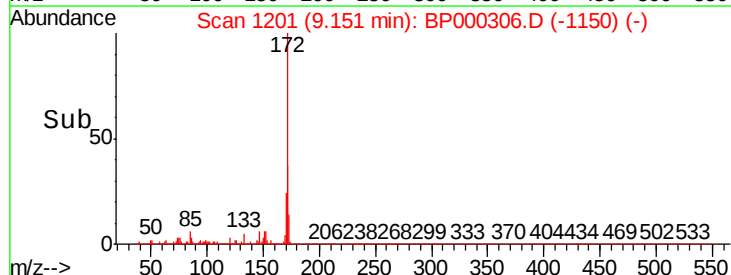
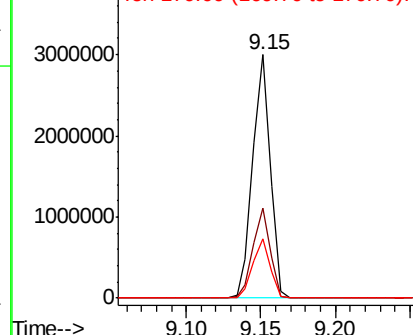


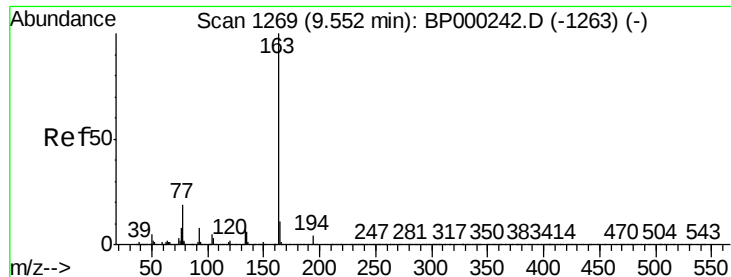
Abundance

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





#50

Dimethylphthalate

Concen: 7.237 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

Instrument :

BNA_P

ClientSampled :

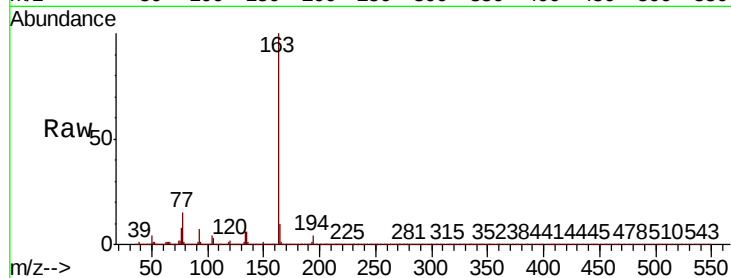
Tot Ion:163 Resp: 283071

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

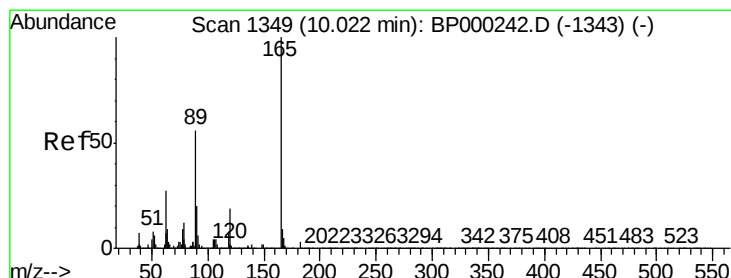
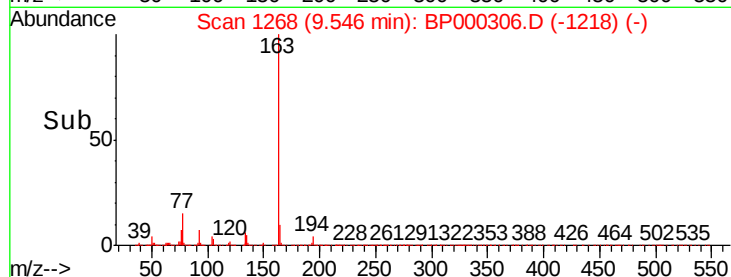
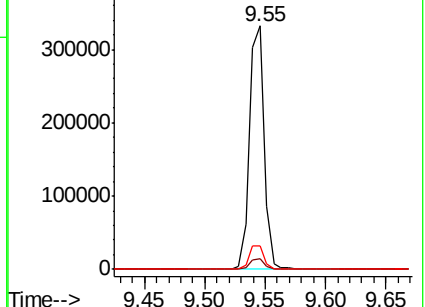
164 9.6 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.725 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

Tgt Ion:165 Resp: 75601

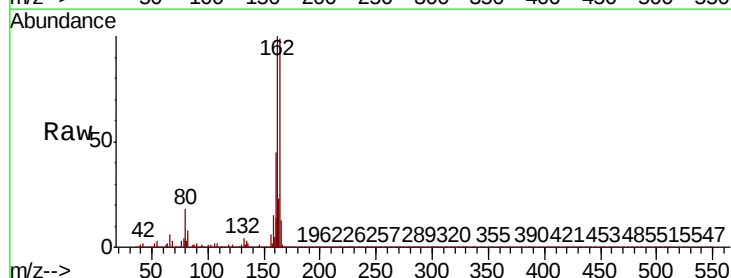
Ion Ratio Lower Upper

165 100

63 1.1 21.7 32.5#

89 1.4 45.0 67.6#

182 0.1 2.4 3.6#

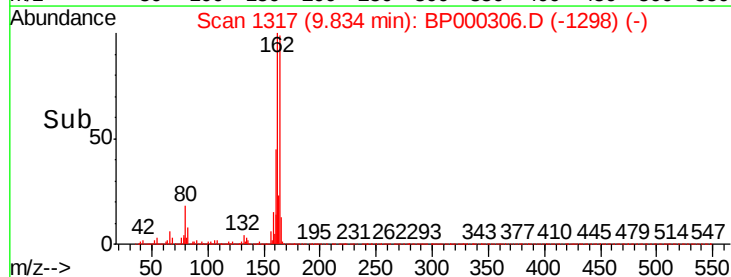
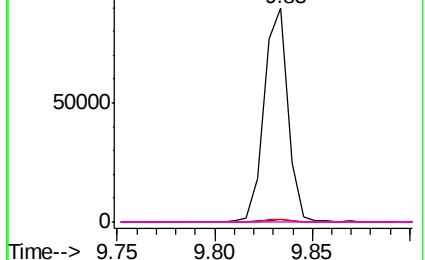


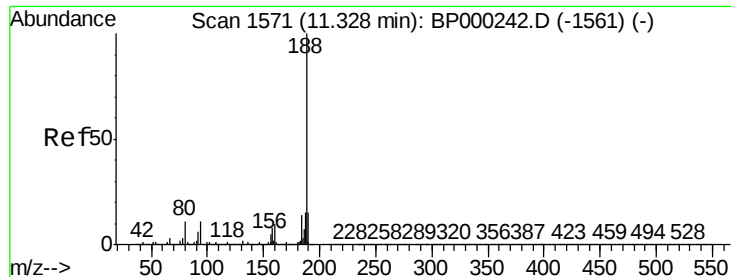
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

Instrument :

BNA_P

ClientSampleId :

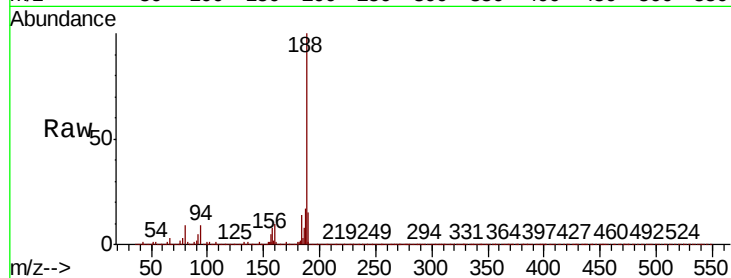
Tot Ion:188 Resp: 1043907

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

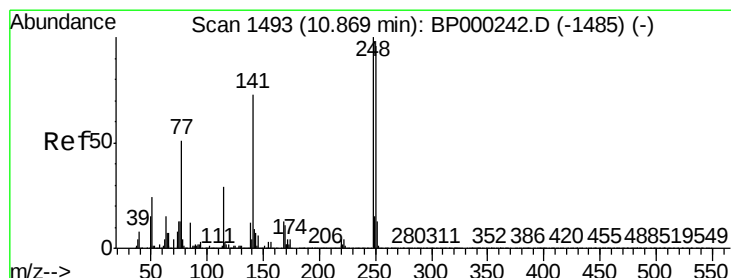
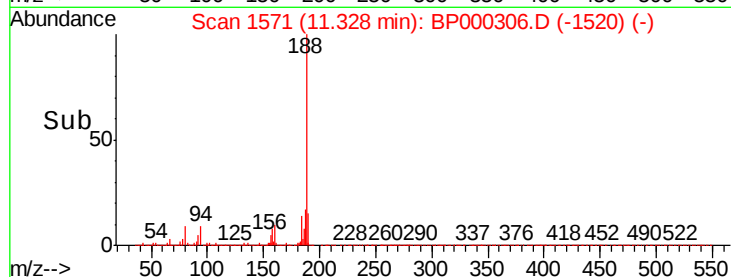
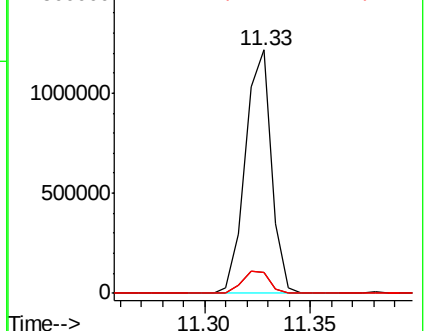
80 8.7 8.6 13.0



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



#67

4-Bromophenyl-phenylether

Concen: 3.767 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

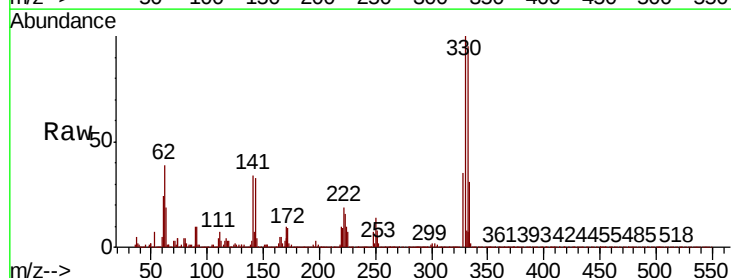
Tgt Ion:248 Resp: 44462

Ion Ratio Lower Upper

248 100

250 201.5 77.0 115.4#

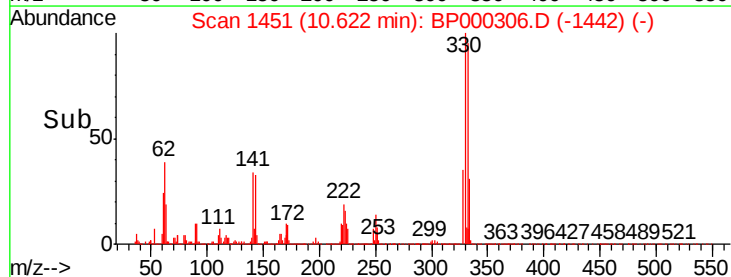
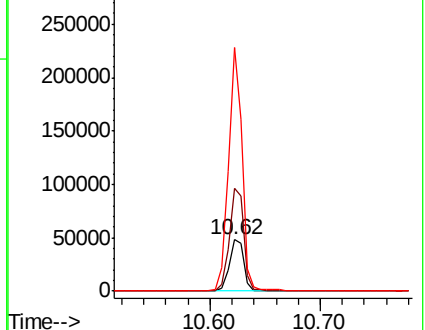
141 475.8 58.5 87.7#

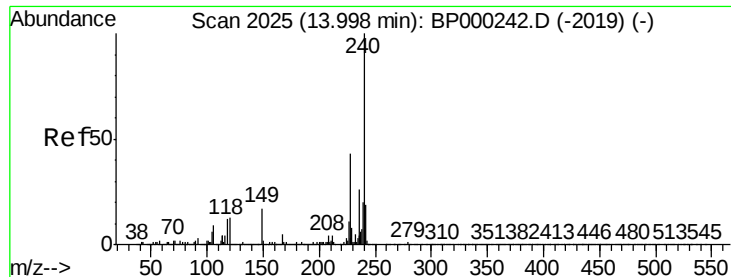


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

Instrument :

BNA_P

ClientSampleId :

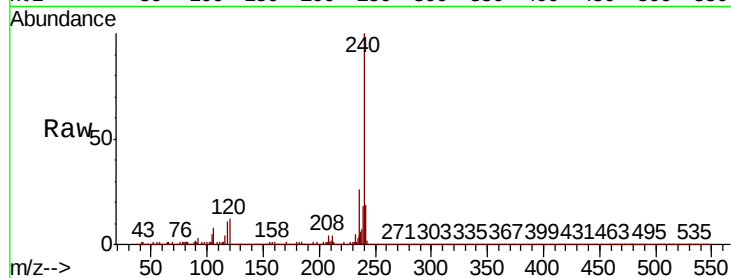
Tot Ion:240 Resp: 842104

Ion Ratio Lower Upper

240 100

120 11.6 10.4 15.6

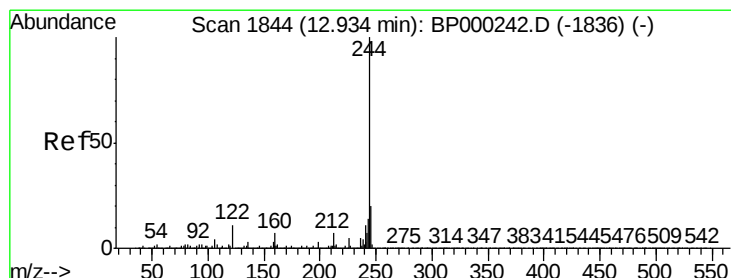
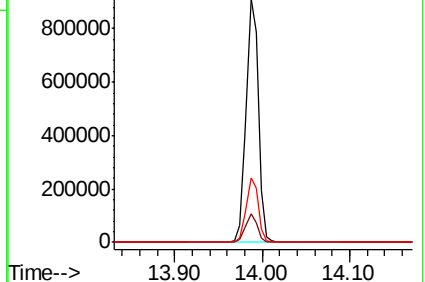
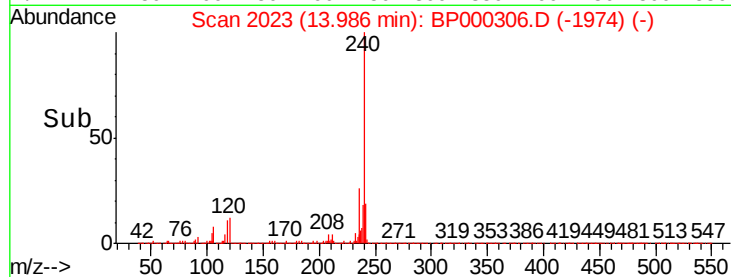
236 26.2 21.0 31.6



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



#79

Terphenyl-d14

Concen: 67.780 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000306.D

Acq: 18 Sep 2019 18:50

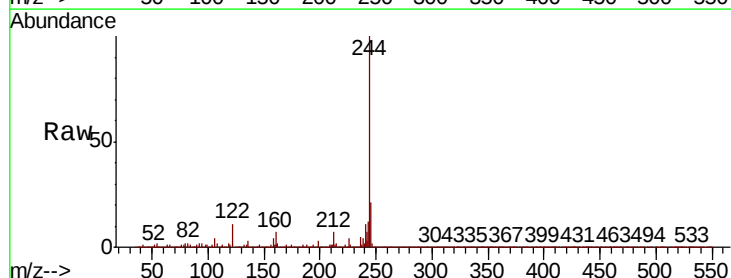
Tgt Ion:244 Resp: 2720789

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

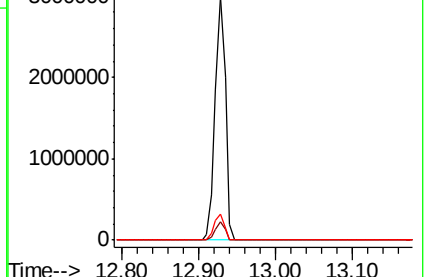
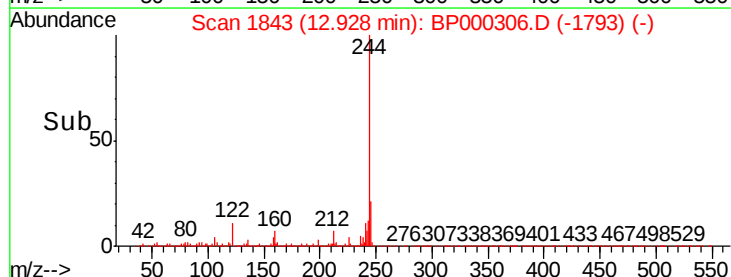
122 10.8 9.0 13.4

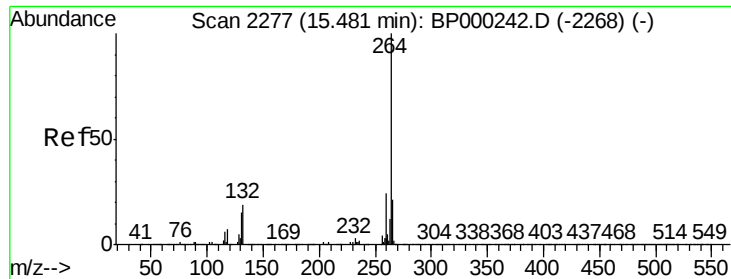


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.01 min
 Lab File: BP000306.D
 Acq: 18 Sep 2019 18:50

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	22.0	17.2	25.8

