

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000251.D
 Acq On : 16 Sep 2019 21:12
 Operator : HP/JU
 Sample : K4871-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VE-3-1

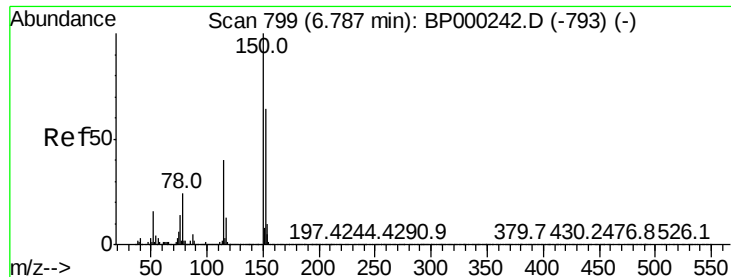
Quant Time: Sep 17 06:11:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	339378	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1157962	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	588672	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	988405	20.00	ng	0.00
76) Chrysene-d12	13.99	240	915753	20.00	ng	0.00
87) Perylene-d12	15.47	264	1033858	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	836266	42.54	ng	0.00
7) Phenol-d6	6.41	99	661690	27.46	ng	-0.01
23) Nitrobenzene-d5	7.35	82	1377534	76.75	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	628165	107.58	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2633171	80.51	ng	0.00
79) Terphenyl-d14	12.93	244	2979528	68.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	1619	Below Cal		# 69
10) Phenol	6.42	94	153691	5.614	ng	100
18) Hexachloroethane	7.32	117	32441	3.468	ng	# 29
32) Benzoic acid	7.85	122	81073	7.628	ng	# 27
35) Caprolactam	8.50	113	71575	12.471	ng	# 59
50) Dimethylphthalate	9.55	163	250080	6.235	ng	# 80
52) Acenaphthene	9.87	154	161609	4.987	ng	94
53) 3-Nitroaniline	9.79	138	23392	2.285	ng	# 32
56) 4-Nitrophenol	9.94	139	92558	12.157	ng	# 53
57) 2,4-Dinitrotoluene	10.04	165	58869	5.106	ng	# 60
58) Fluorene	10.39	166	158801	4.488	ng	# 88
66) n-Nitrosodiphenylamine	10.50	169	355103	11.934	ng	# 52
69) Atrazine	11.03	200	2561	Below Cal		# 1
71) Phenanthrene	11.36	178	355032	7.168	ng	# 89

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

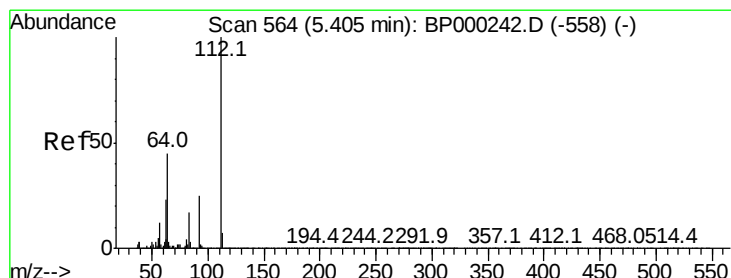
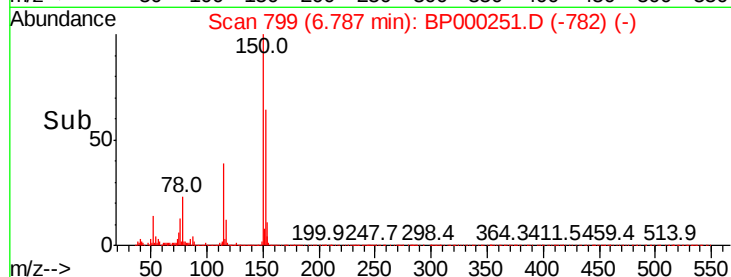
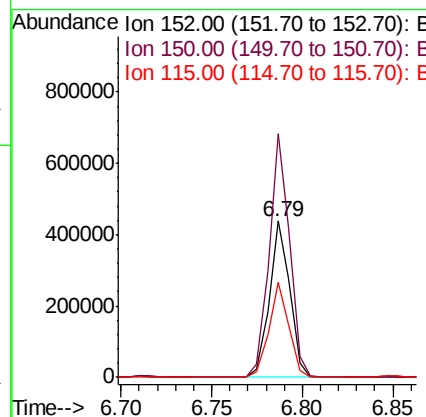
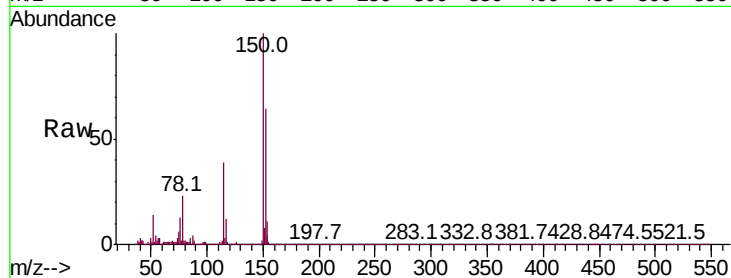


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

Instrument :
BNA_P
ClientSampleId :
VE-3-1

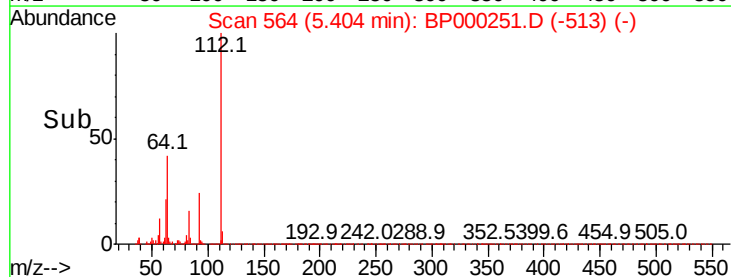
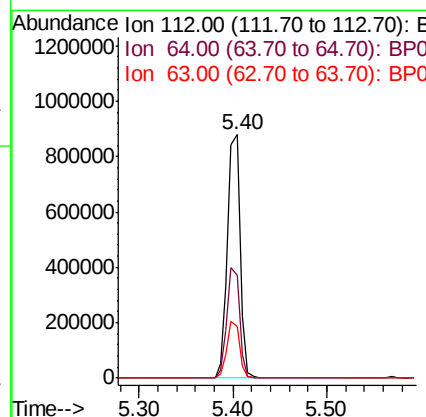
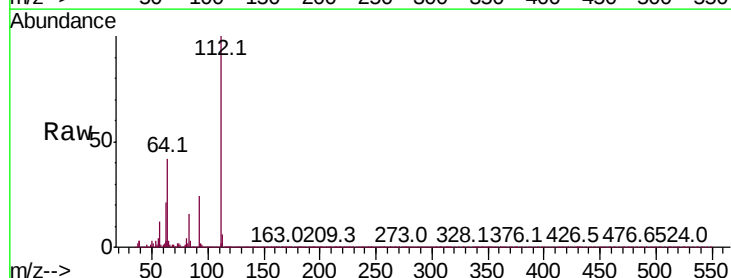
Tot Ion:152 Resp: 339378
Ion Ratio Lower Upper
152 100
150 155.7 125.2 187.8
115 60.4 49.7 74.5

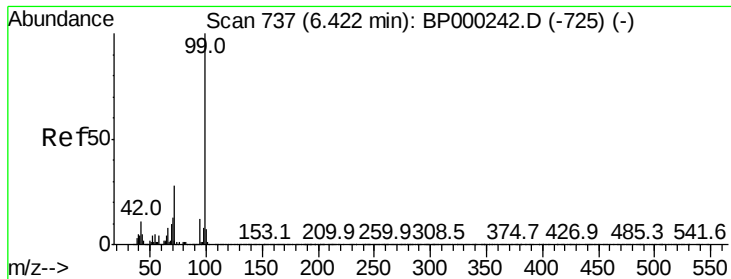


#5

2-Fluorophenol
Concen: 42.539 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

Tgt Ion:112 Resp: 836266
Ion Ratio Lower Upper
112 100
64 42.0 36.2 54.4
63 21.2 18.3 27.5





#7

Phenol-d6

Concen: 27.459 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

Instrument :

BNA_P

ClientSampled :

VE-3-1

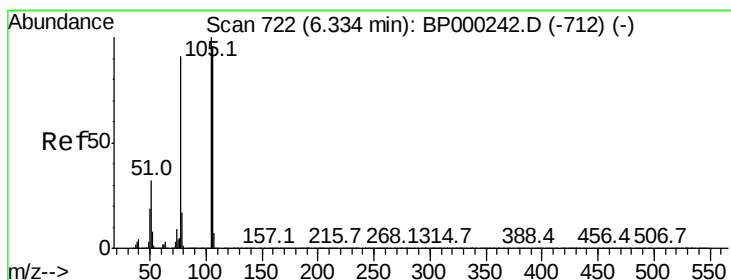
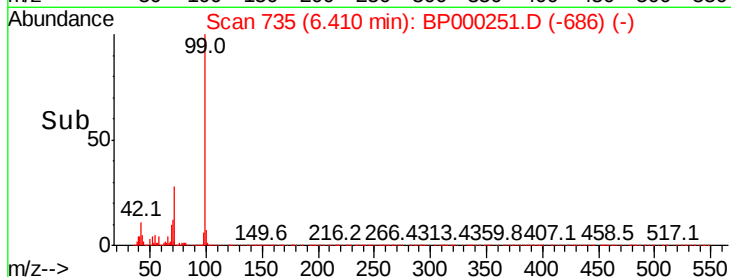
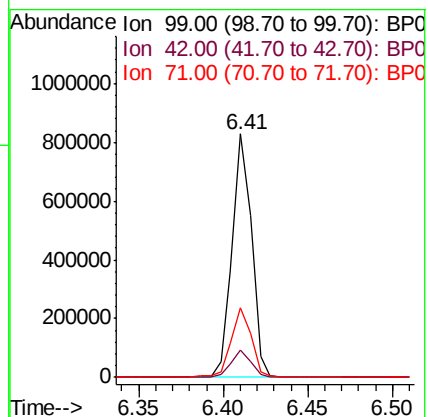
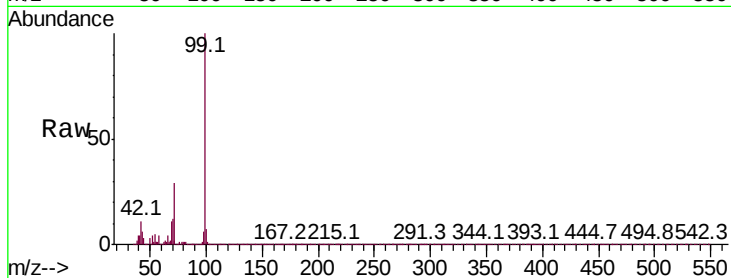
Tot Ion: 99 Resp: 661690

Ion Ratio Lower Upper

99 100

42 11.2 8.5 12.7

71 28.6 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

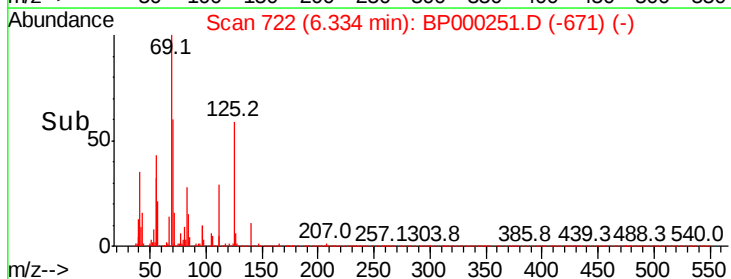
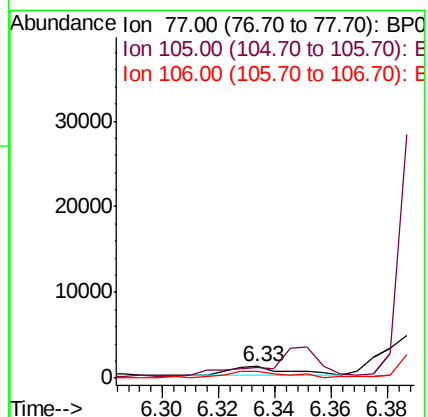
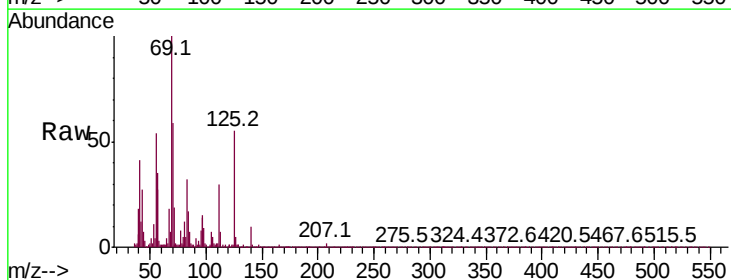
Tgt Ion: 77 Resp: 1619

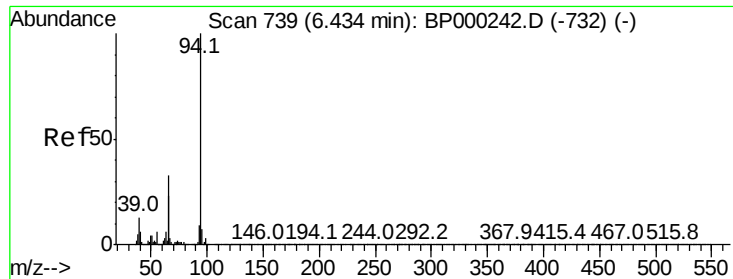
Ion Ratio Lower Upper

77 100

105 88.4 89.6 129.6#

106 61.1 84.6 124.6#





#10

Phenol

Concen: 5.614 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

Instrument :

BNA_P

ClientSampleId :

VE-3-1

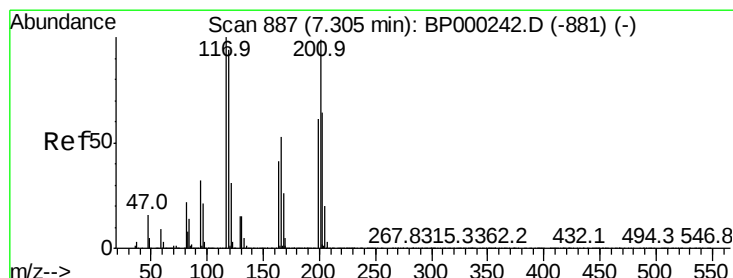
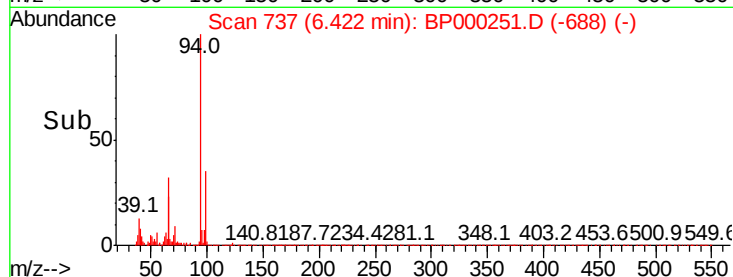
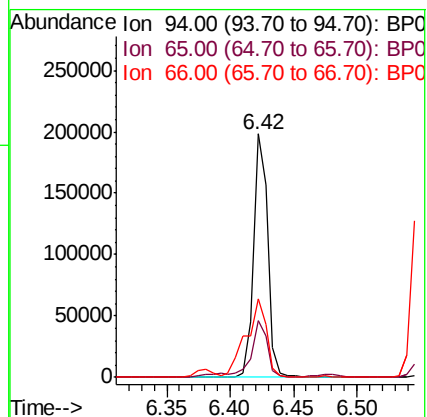
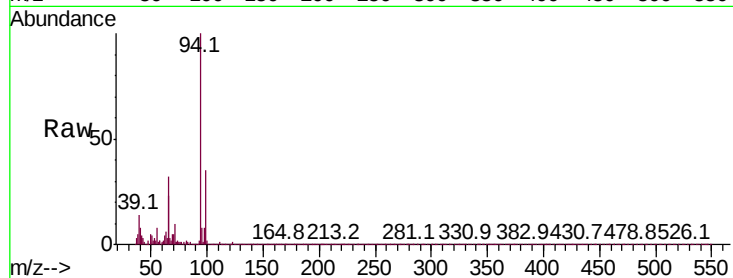
Tot Ion: 94 Resp: 153691

Ion Ratio Lower Upper

94 100

65 23.2 3.3 43.3

66 32.3 12.7 52.7



#18

Hexachloroethane

Concen: 3.468 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.02 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

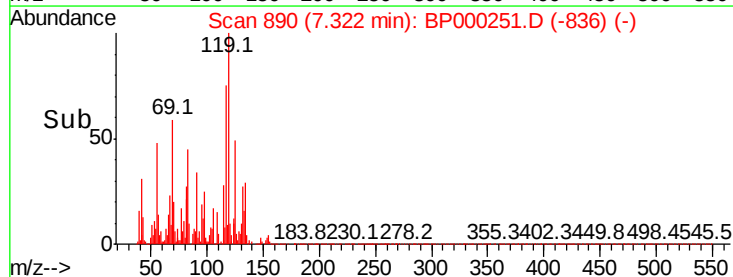
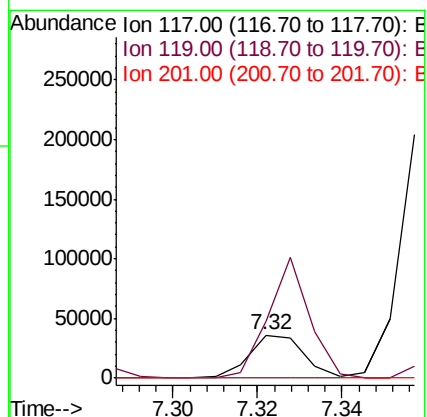
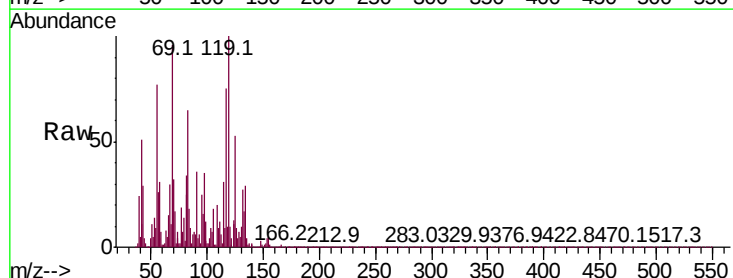
Tgt Ion: 117 Resp: 32441

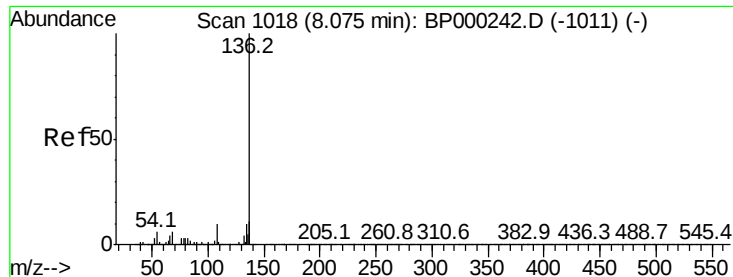
Ion Ratio Lower Upper

117 100

119 133.7 75.6 113.4#

201 0.1 79.4 119.2#

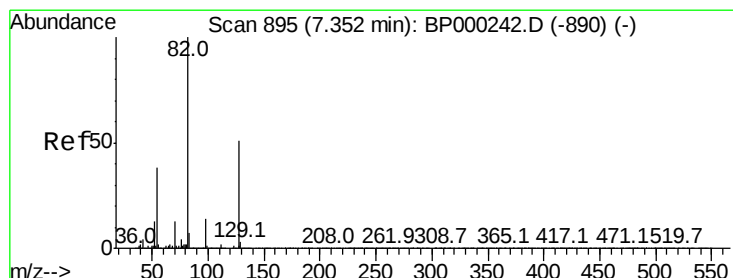
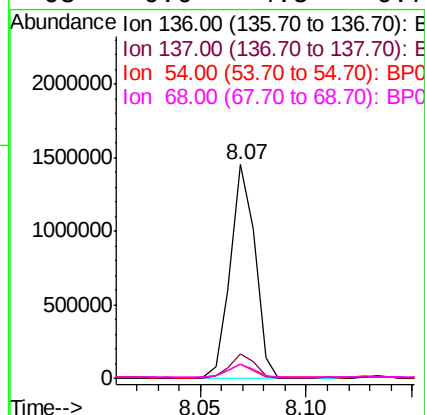
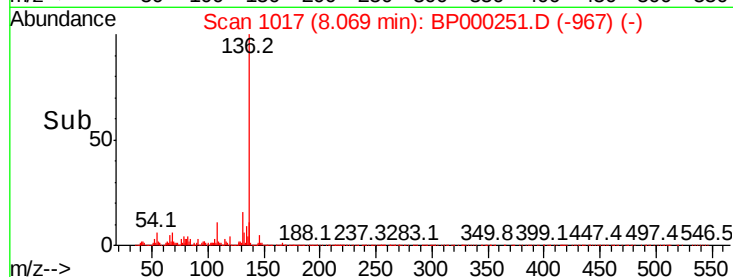
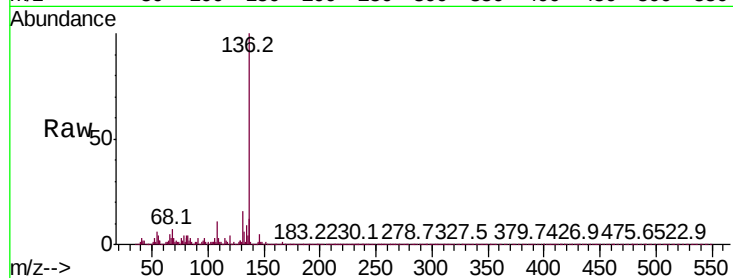




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

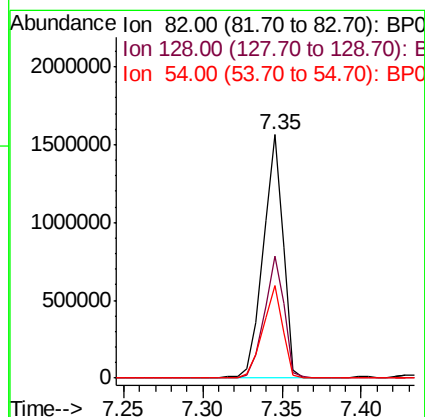
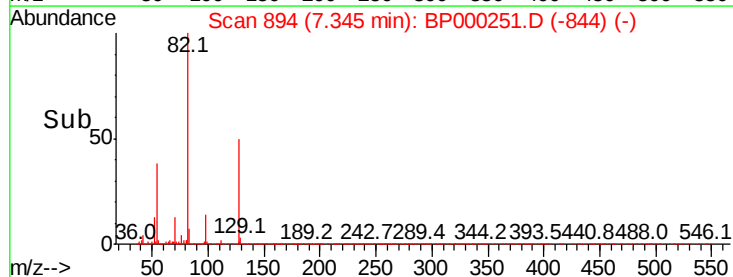
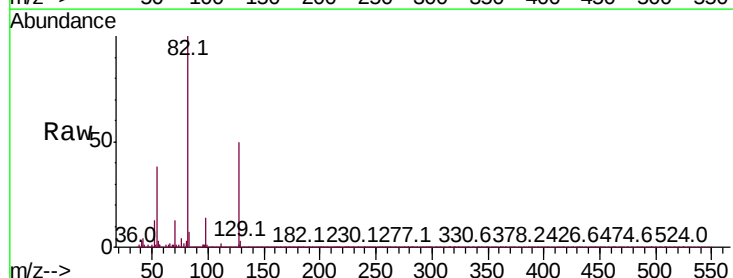
Instrument :
BNA_P
ClientSampleId :
VE-3-1

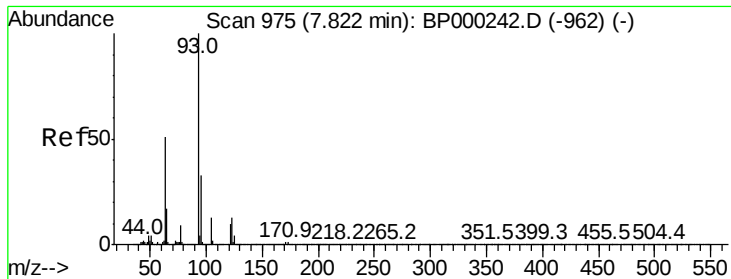
Tot Ion:136	Resp: 1157962
Ion Ratio	Lower Upper
136 100	
137 11.6	8.6 13.0
54 6.4	4.5 6.7
68 6.6	4.5 6.7



#23
Nitrobenzene-d5
Concen: 76.754 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

Tgt Ion: 82	Resp: 1377534
Ion Ratio	Lower Upper
82 100	
128 50.2	40.7 61.1
54 37.8	30.1 45.1





#32

Benzoic acid

Concen: 7.628 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.03 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

Instrument :

BNA_P

ClientSampleId :

VE-3-1

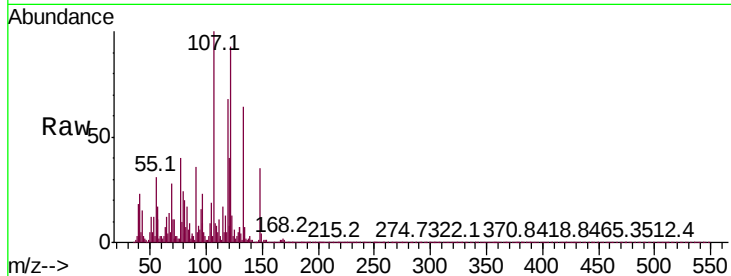
Tot Ion:122 Resp: 81073

Ion Ratio Lower Upper

122 100

105 20.8 105.4 145.4#

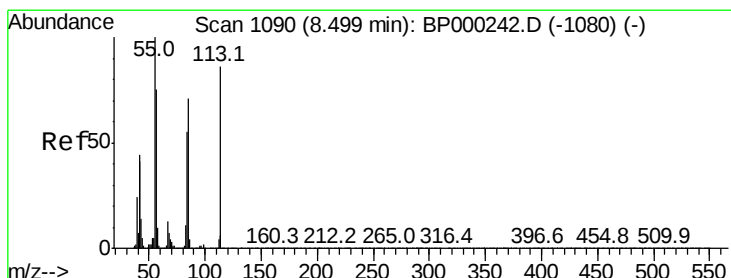
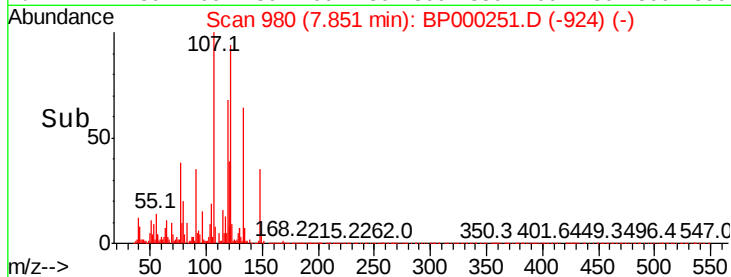
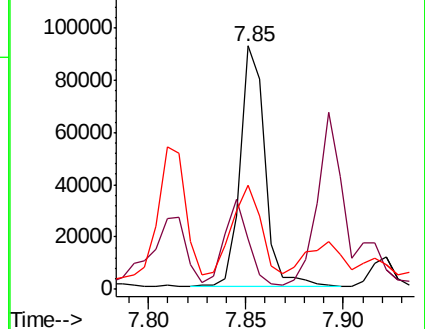
77 43.0 65.3 105.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0



#35

Caprolactam

Concen: 12.471 ng

RT: 8.50 min Scan# 1091

Delta R.T. 0.01 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

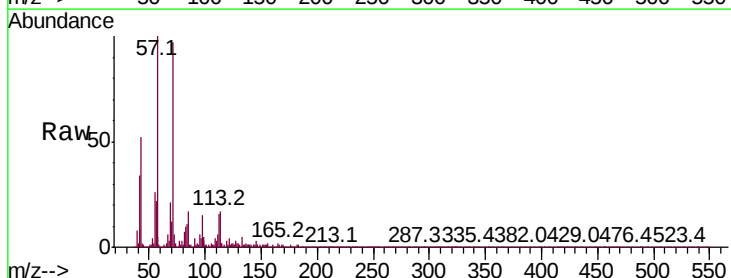
Tgt Ion:113 Resp: 71575

Ion Ratio Lower Upper

113 100

55 156.9 96.8 136.8#

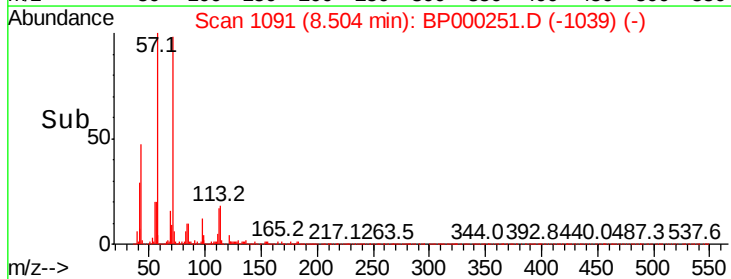
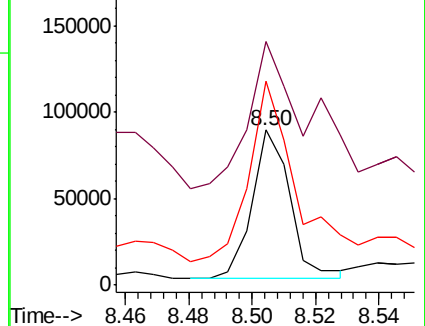
56 131.4 67.5 107.5#

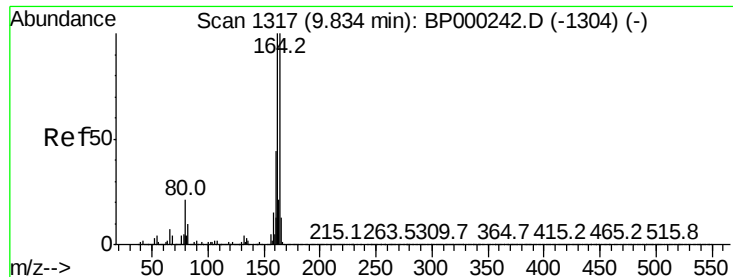


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BP0

Ion 56.00 (55.70 to 56.70): BP0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

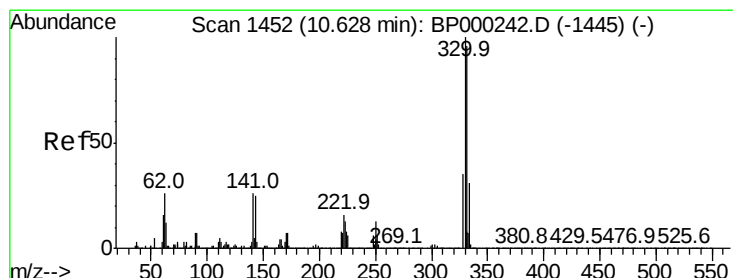
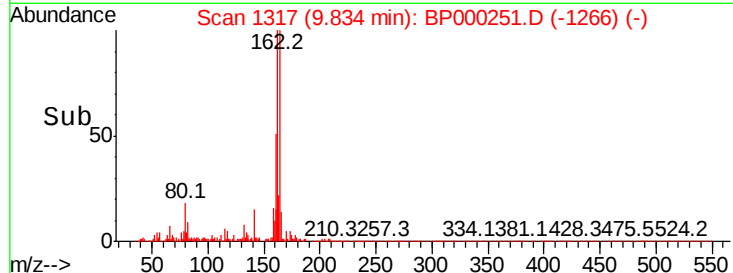
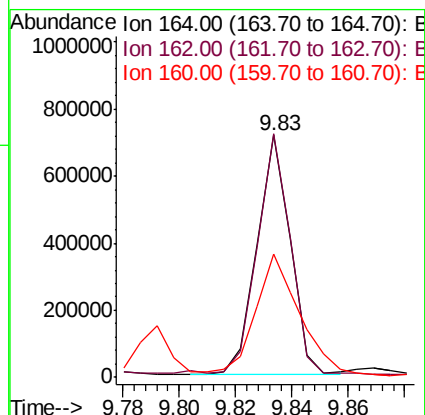
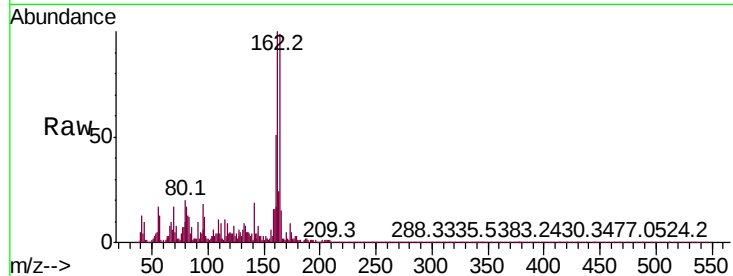
Delta R.T. -0.00 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

Instrument :
BNA_P
ClientSampled :
VE-3-1

Tot Ion:	164	Resp:	588672
Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.9	119.9
160	51.0	35.6	53.4



#42

2,4,6-Tribromophenol

Concen: 107.584 ng

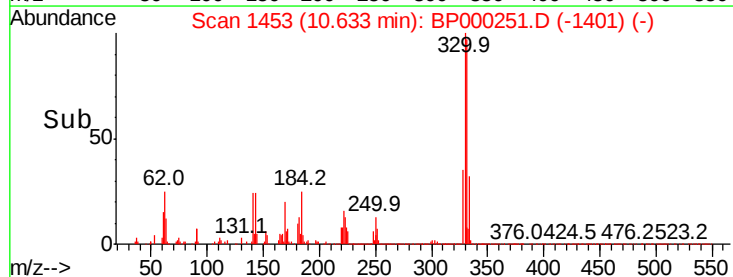
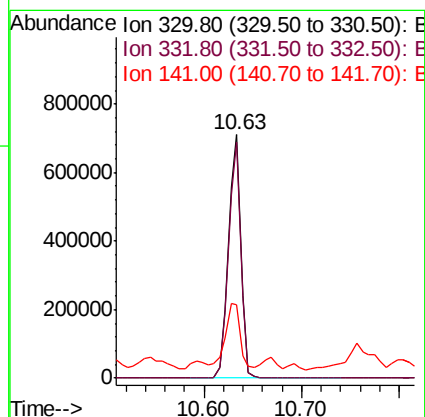
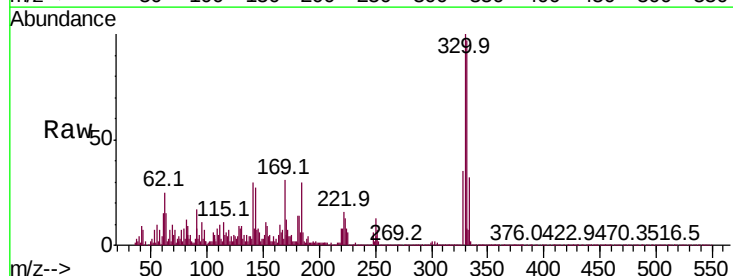
RT: 10.63 min Scan# 1453

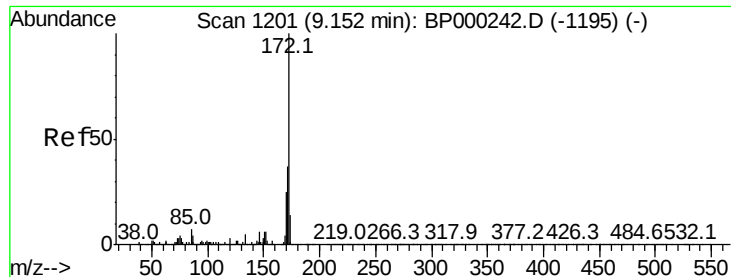
Delta R.T. 0.01 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

Tgt Ion:	330	Resp:	628165
Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	30.5	26.5	39.7

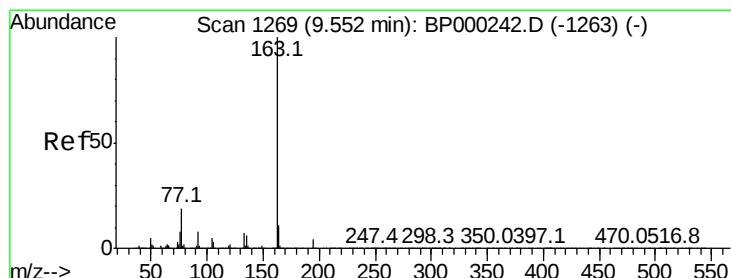
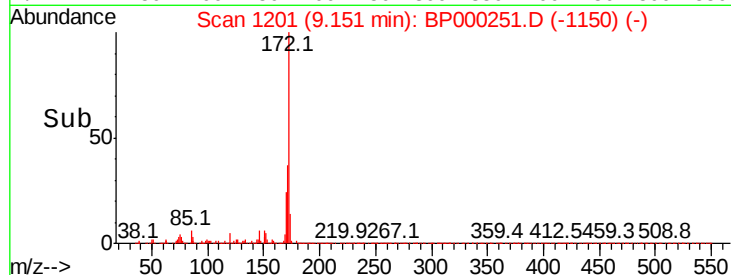
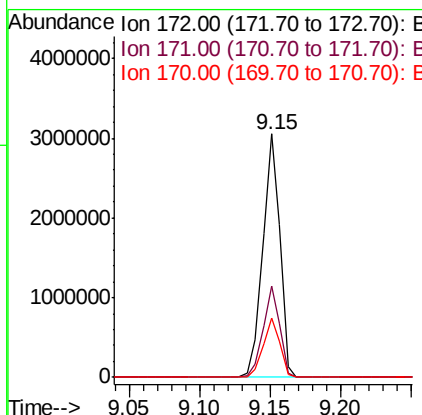
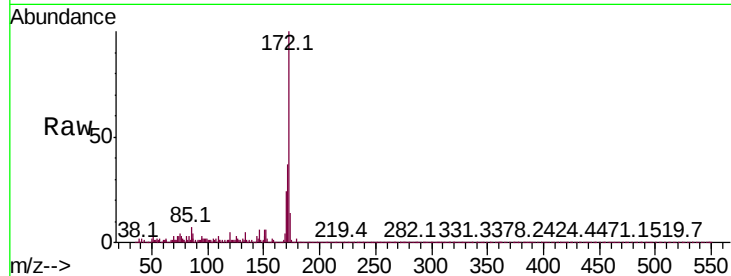




#45
2-Fluorobiphenyl
Concen: 80.507 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

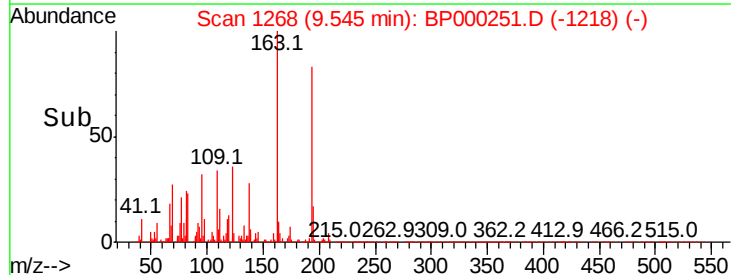
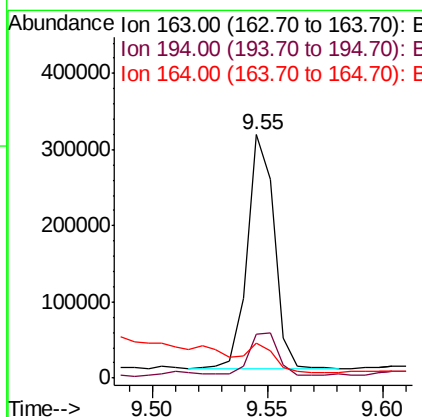
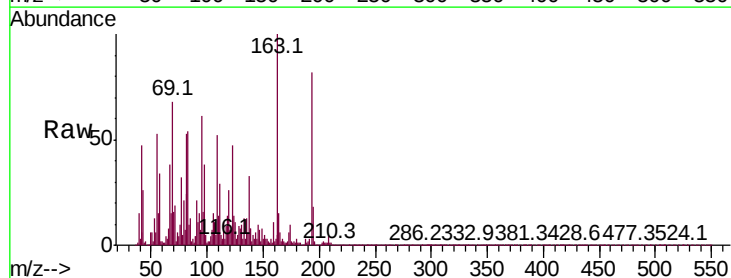
Instrument :
BNA_P
ClientSampleId :
VE-3-1

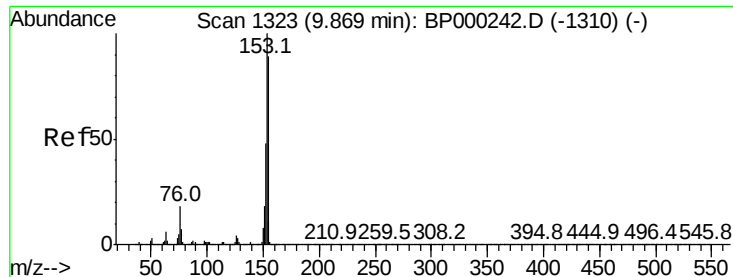
Tot Ion:172 Resp: 2633171
Ion Ratio Lower Upper
172 100
171 37.4 29.8 44.6
170 24.5 19.8 29.6



#50
Dimethylphthalate
Concen: 6.235 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

Tgt Ion:163 Resp: 250080
Ion Ratio Lower Upper
163 100
194 18.1 3.4 5.0#
164 14.6 8.5 12.7#





#52

Acenaphthene

Concen: 4.987 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

Instrument :

BNA_P

ClientSampled :

VE-3-1

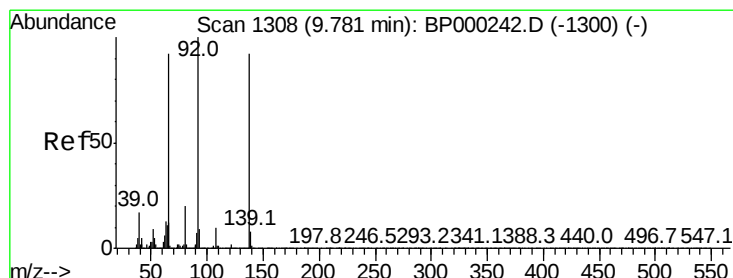
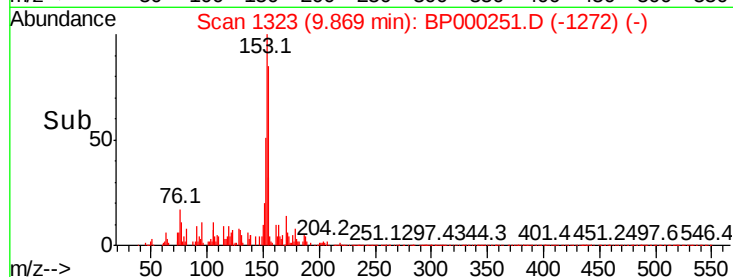
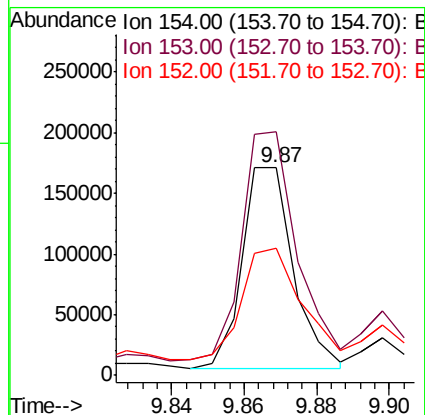
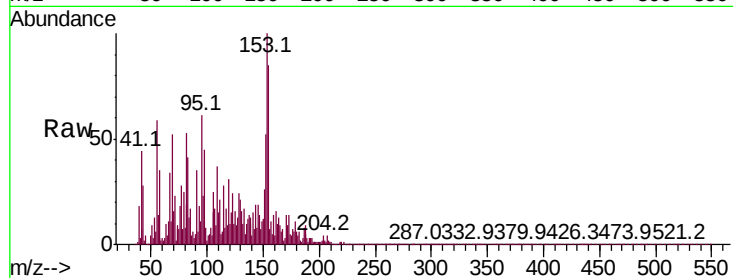
Tot Ion:154 Resp: 161609

Ion Ratio Lower Upper

154 100

153 117.2 89.8 134.6

152 60.9 43.4 65.0



#53

3-Nitroaniline

Concen: 2.285 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

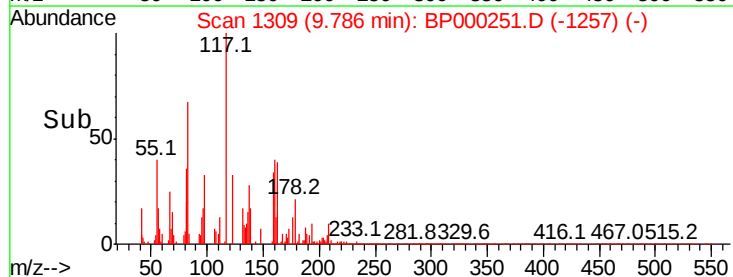
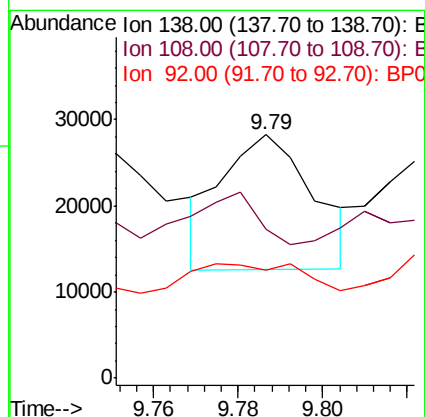
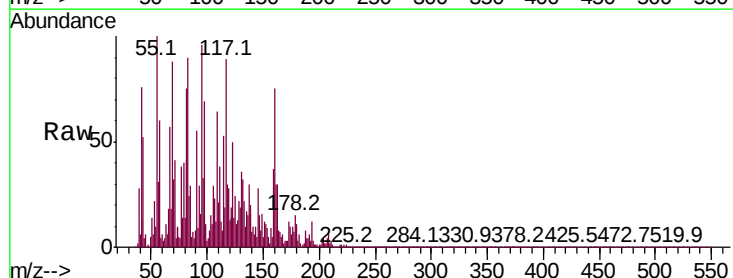
Tgt Ion:138 Resp: 23392

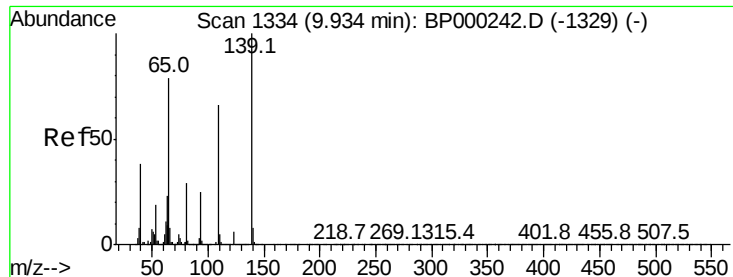
Ion Ratio Lower Upper

138 100

108 61.0 9.1 13.7#

92 44.2 86.7 130.1#

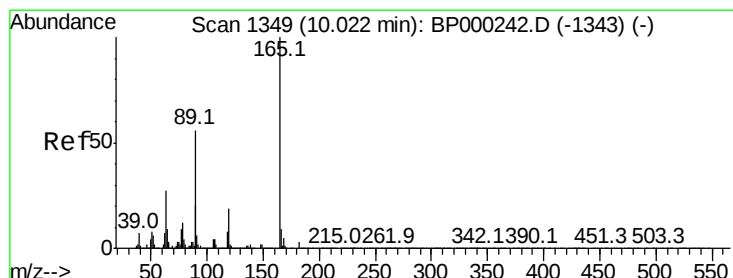
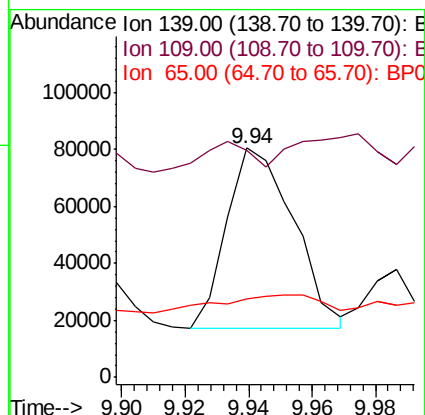
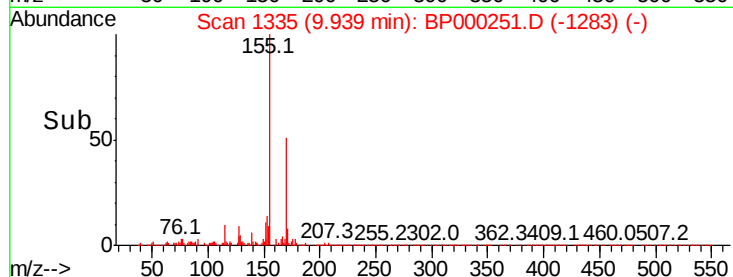
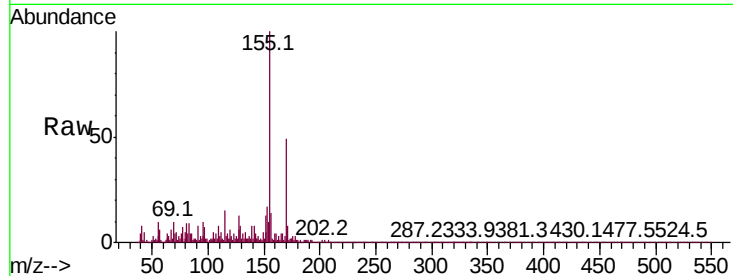




#56
4-Nitrophenol
Concen: 12.157 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

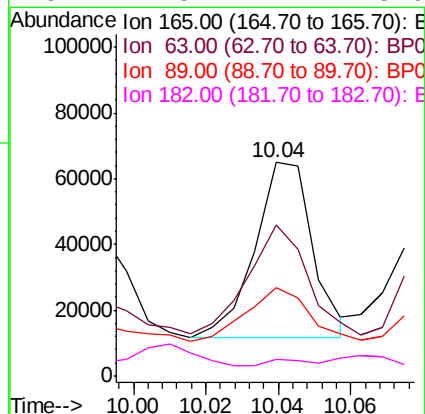
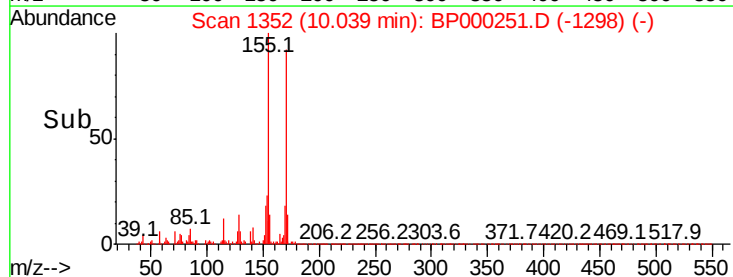
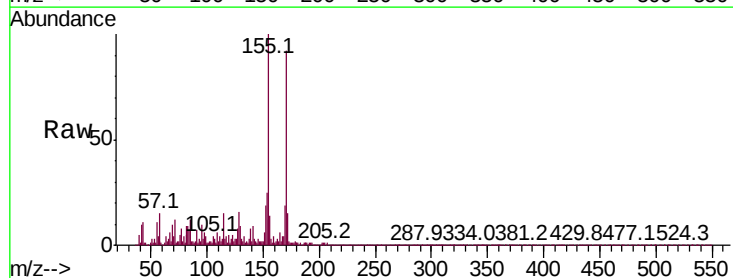
Instrument :
BNA_P
ClientSampled :
VE-3-1

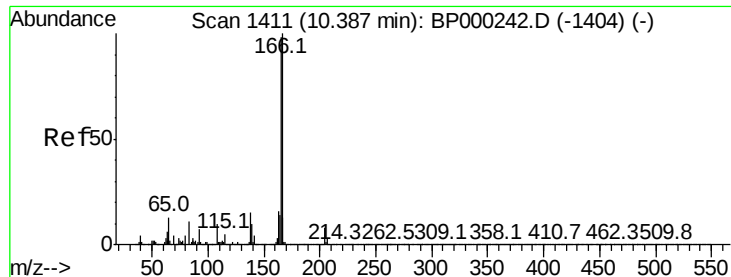
Tot Ion:139 Resp: 92558
Ion Ratio Lower Upper
139 100
109 99.0 46.2 86.2#
65 34.2 59.4 99.4#



#57
2,4-Dinitrotoluene
Concen: 5.106 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

Tgt Ion:165 Resp: 58869
Ion Ratio Lower Upper
165 100
63 70.6 21.7 32.5#
89 41.5 45.0 67.6#
182 7.5 2.4 3.6#

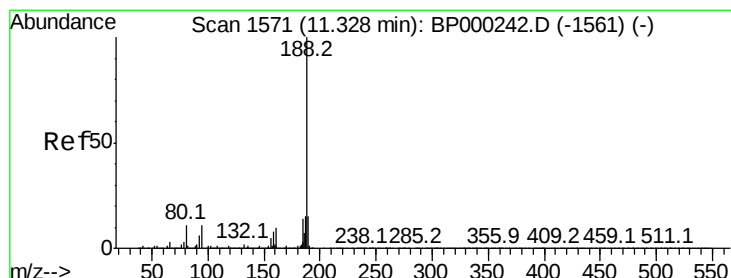
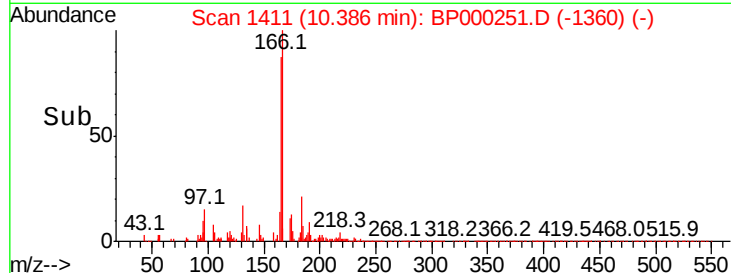
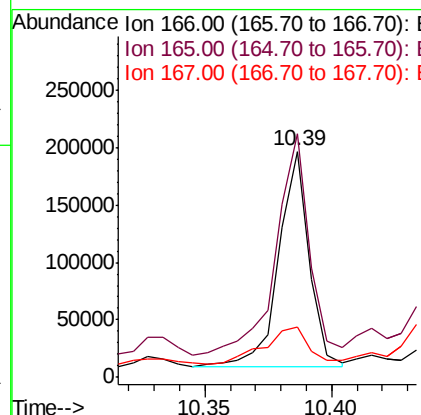
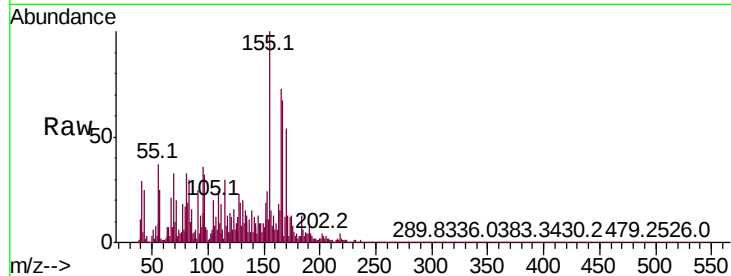




#58
 Fluorene
 Concen: 4.488 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: BP000251.D
 Acq: 16 Sep 2019 21:12

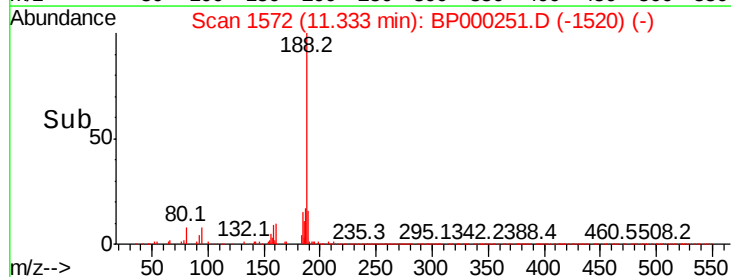
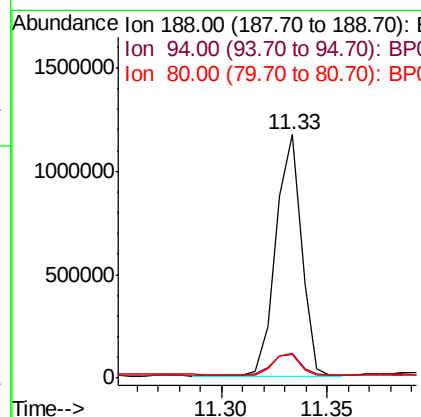
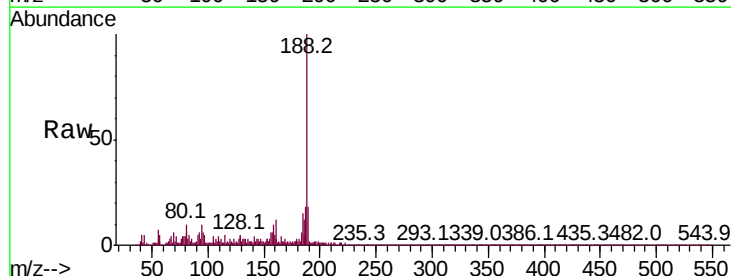
Instrument :
 BNA_P
 ClientSampleId :
 VE-3-1

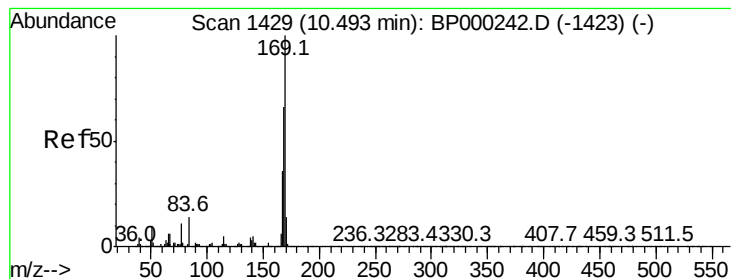
Tot Ion:166 Resp: 158801
 Ion Ratio Lower Upper
 166 100
 165 107.9 78.2 117.2
 167 22.1 10.7 16.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BP000251.D
 Acq: 16 Sep 2019 21:12

Tgt Ion:188 Resp: 988405
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 9.6 8.6 13.0





#66

n-Nitrosodiphenylamine

Concen: 11.934 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

Instrument :

BNA_P

ClientSampleId :

VE-3-1

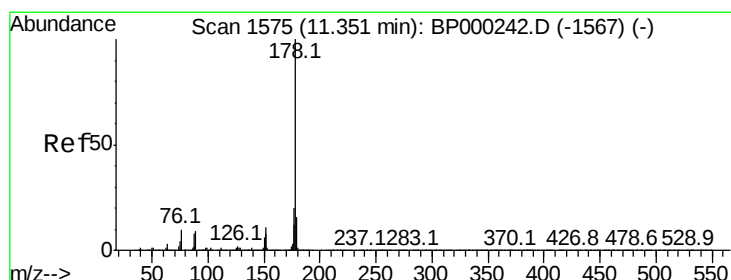
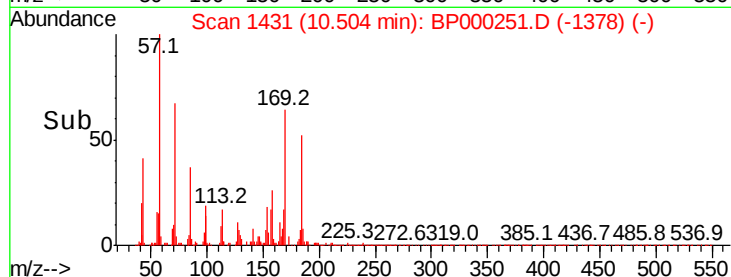
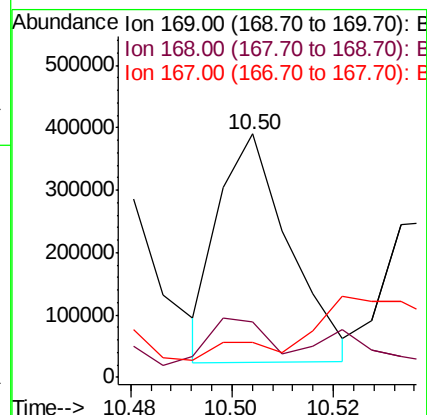
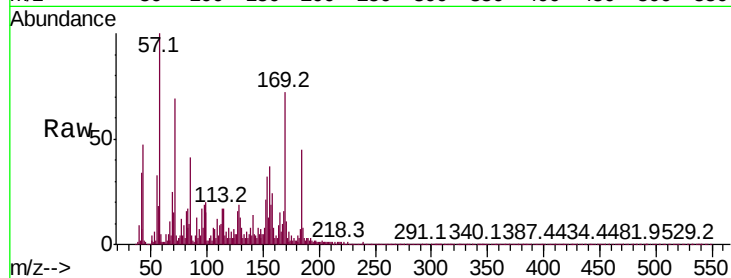
Tot Ion:169 Resp: 355103

Ion Ratio Lower Upper

169 100

168 22.5 52.9 79.3#

167 14.5 29.0 43.6#



#71

Phenanthrene

Concen: 7.168 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BP000251.D

Acq: 16 Sep 2019 21:12

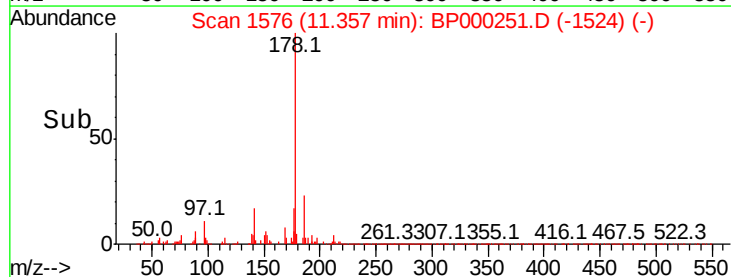
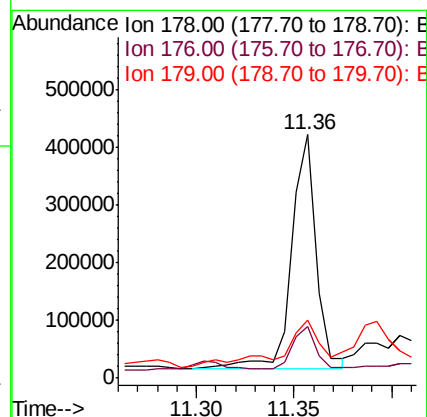
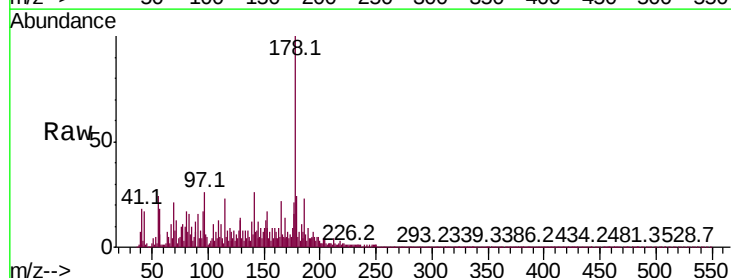
Tgt Ion:178 Resp: 355032

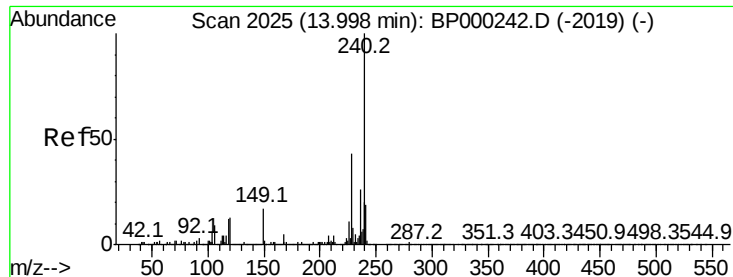
Ion Ratio Lower Upper

178 100

176 21.4 15.8 23.8

179 24.1 12.7 19.1#

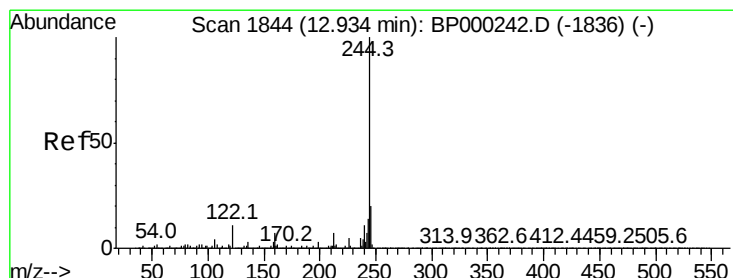
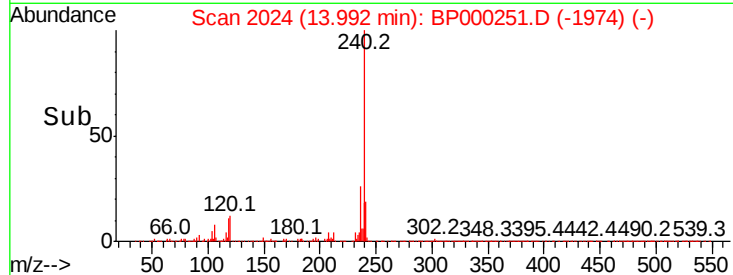
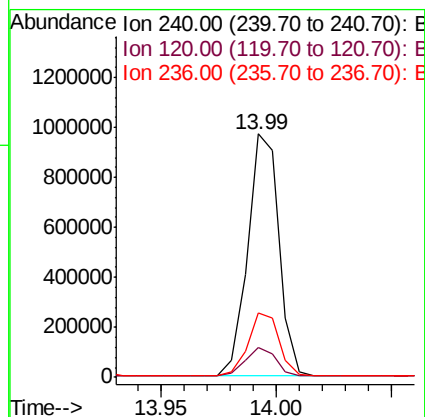
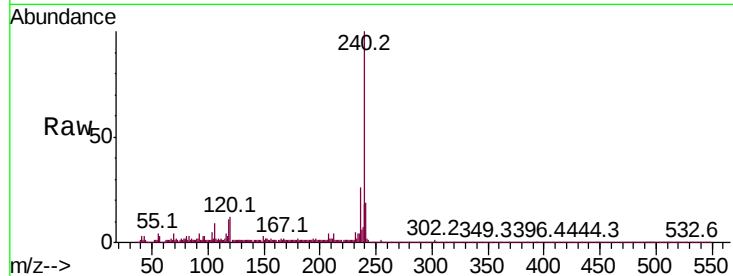




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

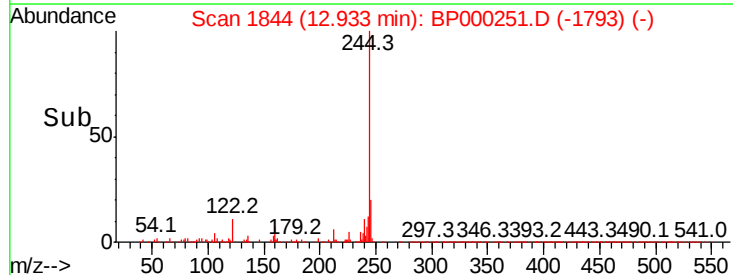
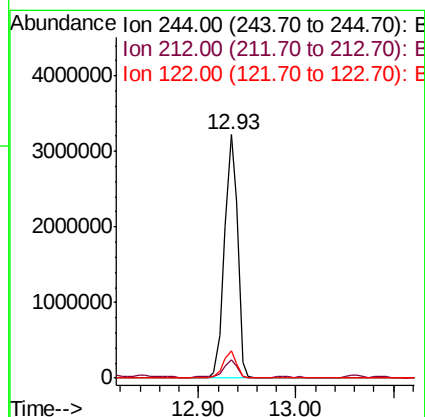
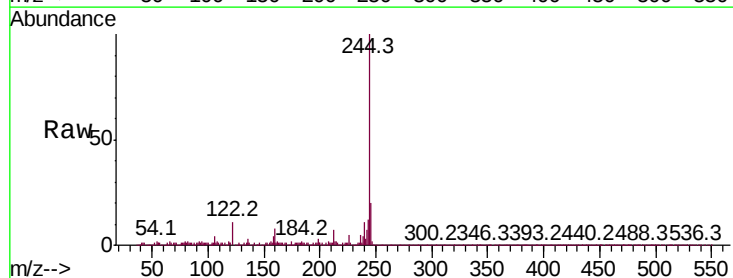
Instrument :
BNA_P
ClientSampleId :
VE-3-1

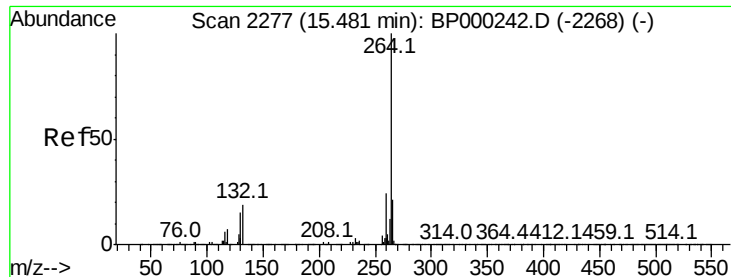
Tot Ion:240 Resp: 915753
Ion Ratio Lower Upper
240 100
120 12.5 10.4 15.6
236 26.3 21.0 31.6



#79
Terphenyl-d14
Concen: 68.256 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

Tgt Ion:244 Resp: 2979528
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 11.1 9.0 13.4



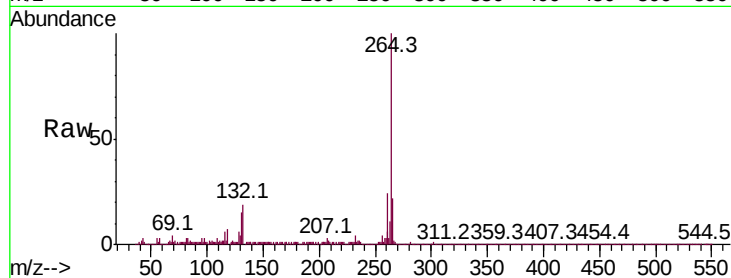


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000251.D
Acq: 16 Sep 2019 21:12

Instrument :
BNA_P
ClientSampleId :
VE-3-1

Tot Ion: 264 Resp: 1033858

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.9	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

