

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092419\
 Data File : BP000389.D
 Acq On : 24 Sep 2019 17:24
 Operator : JU
 Sample : K5008-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-4

Quant Time: Sep 25 01:13:01 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	237622	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	835815	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	485234	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	924366	20.00	ng	0.00
76) Chrysene-d12	13.99	240	847589	20.00	ng	-0.01
87) Perylene-d12	15.46	264	939217	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1056248	76.74	ng	0.00
7) Phenol-d6	6.43	99	1641068	97.26	ng	0.00
23) Nitrobenzene-d5	7.35	82	912968	70.48	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	318811	66.24	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1799249	66.74	ng	0.00
79) Terphenyl-d14	12.92	244	2229458	55.18	ng	-0.01

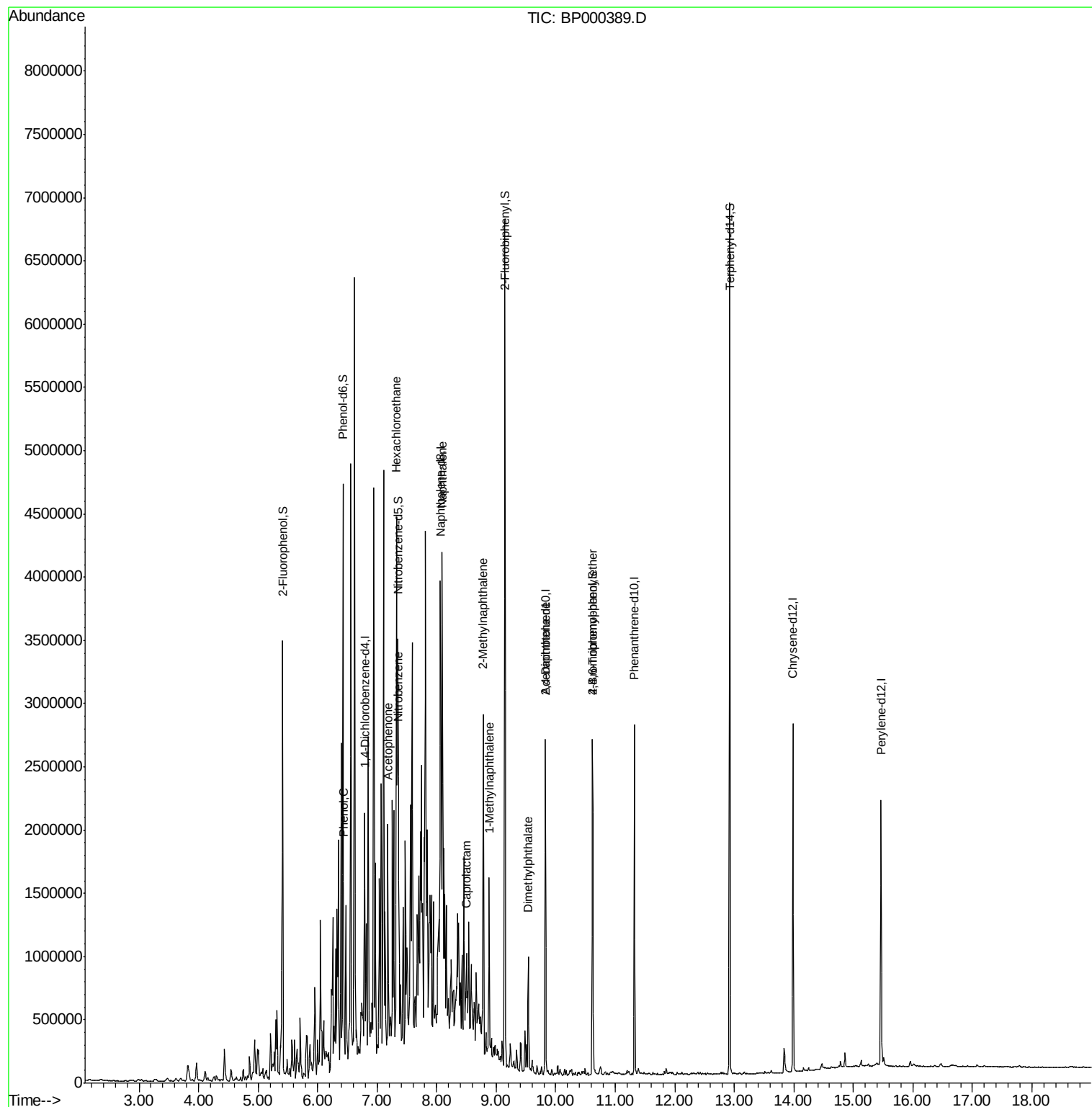
Target Compounds				Qvalue		
10) Phenol	6.44	94	57426	2.996	ng	97
18) Hexachloroethane	7.32	117	226683	34.614	ng	# 1
22) Acetophenone	7.19	105	345286	19.063	ng	# 58
24) Nitrobenzene	7.36	77	36522	2.714	ng	# 19
31) Naphthalene	8.09	128	976987	25.239	ng	98
35) Caprolactam	8.50	113	16764	4.047	ng	# 8
37) 2-Methylnaphthalene	8.78	142	700903	26.487	ng	99
38) 1-Methylnaphthalene	8.88	142	317091	12.792	ng	100
50) Dimethylphthalate	9.54	163	319388	9.661	ng	99
57) 2,4-Dinitrotoluene	9.83	165	65571	6.900	ng	# 35
67) 4-Bromophenyl-phenylether	10.62	248	21800	2.086	ng	# 1
69) Atrazine	11.00	200	89	Below Cal	#	1

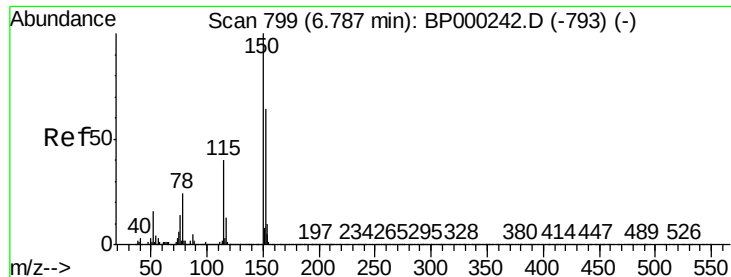
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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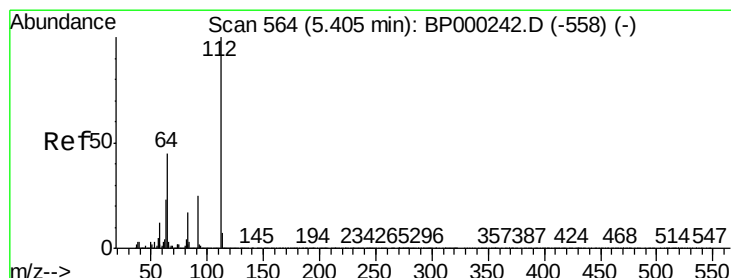
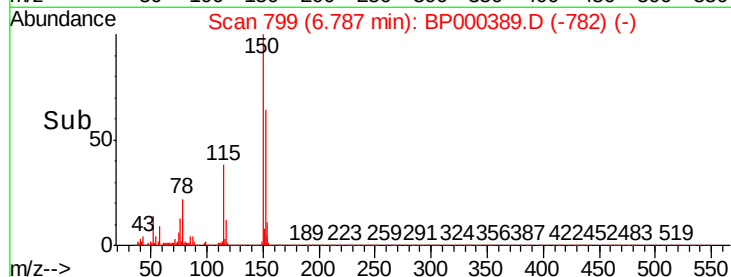
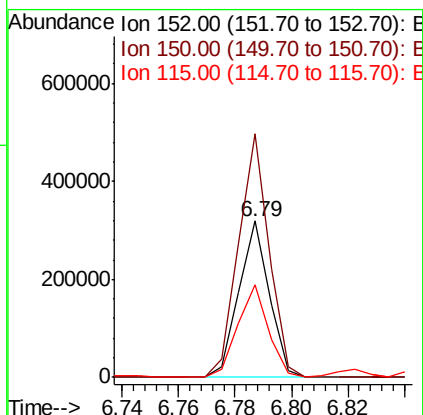
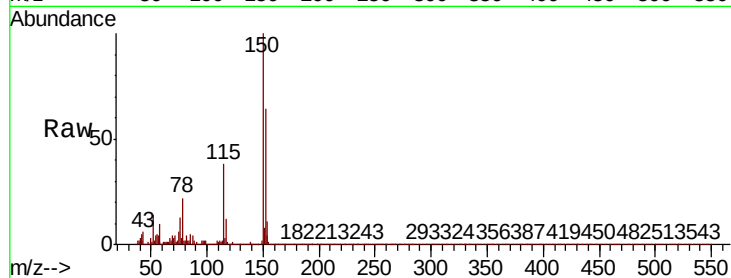


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BP000389.D
Acq: 24 Sep 2019 17:24

Instrument :
BNA_P
ClientSampleId :
SB-4

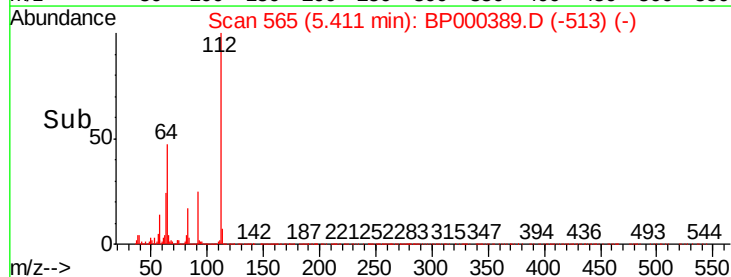
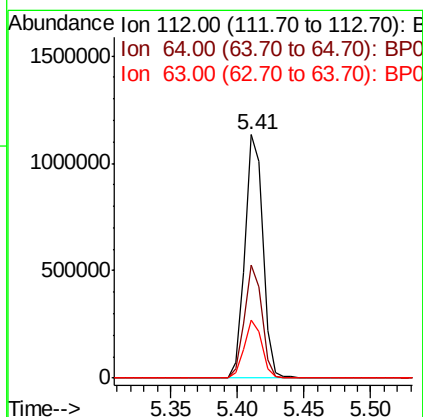
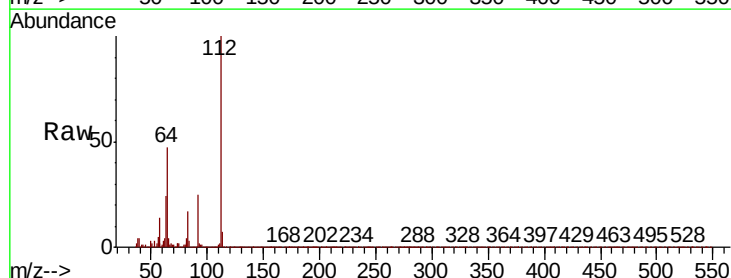
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.2	187.8
115	59.3	49.7	74.5

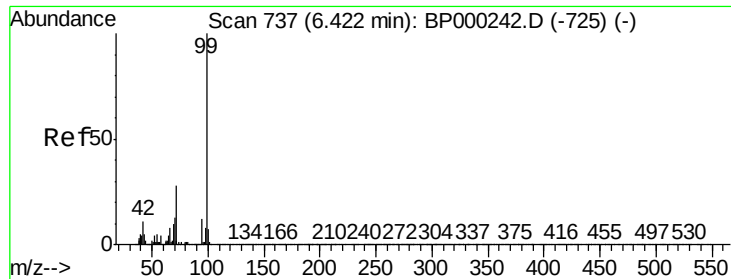


#5

2-Fluorophenol
Concen: 76.738 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000389.D
Acq: 24 Sep 2019 17:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.5	36.2	54.4
63	23.8	18.3	27.5





#7

Phenol-d6

Concen: 97.264 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000389.D

Acq: 24 Sep 2019 17:24

Instrument :

BNA_P

ClientSampleId :

SB-4

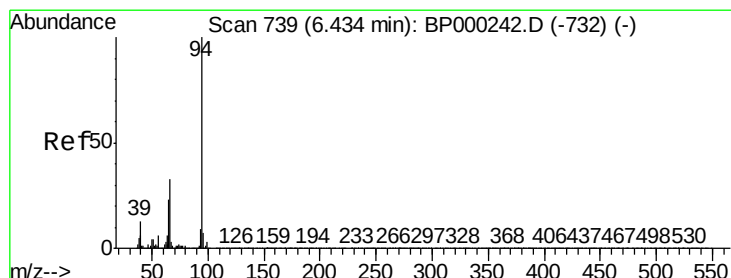
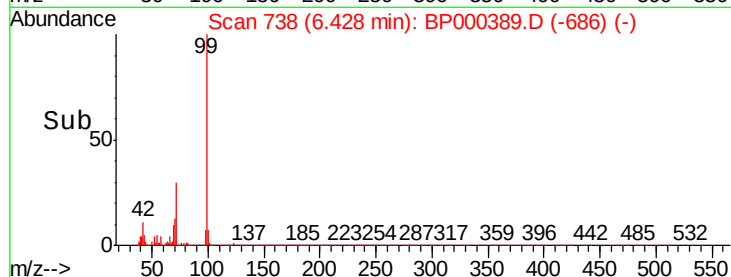
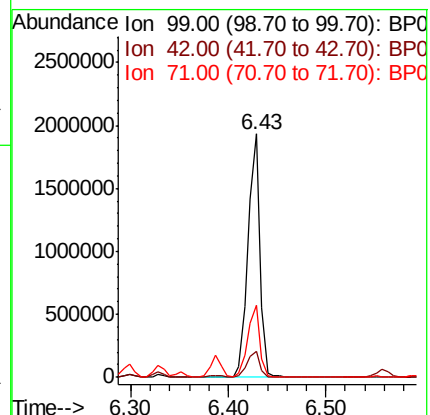
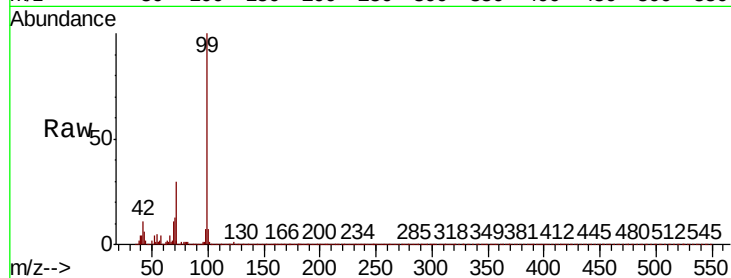
Tot Ion: 99 Resp: 1641068

Ion Ratio Lower Upper

99 100

42 10.9 8.5 12.7

71 29.7 22.6 34.0



#10

Phenol

Concen: 2.996 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000389.D

Acq: 24 Sep 2019 17:24

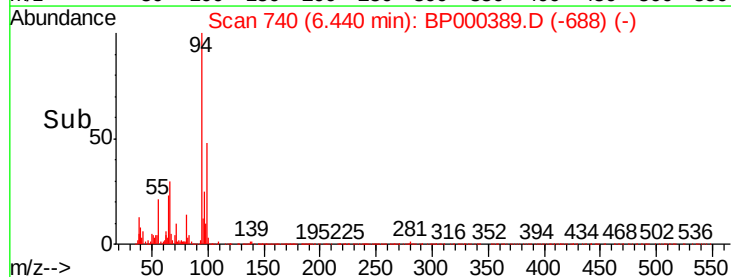
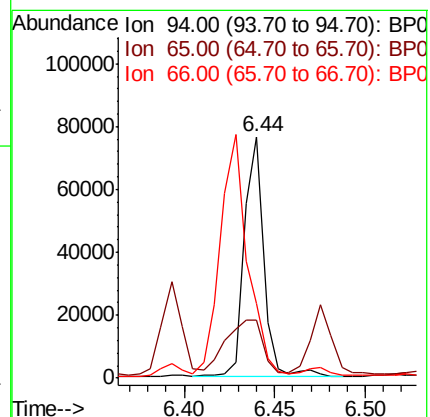
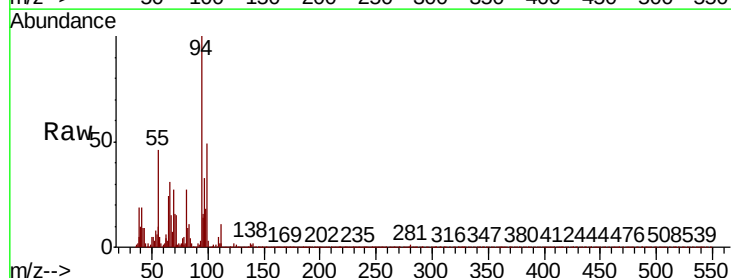
Tgt Ion: 94 Resp: 57426

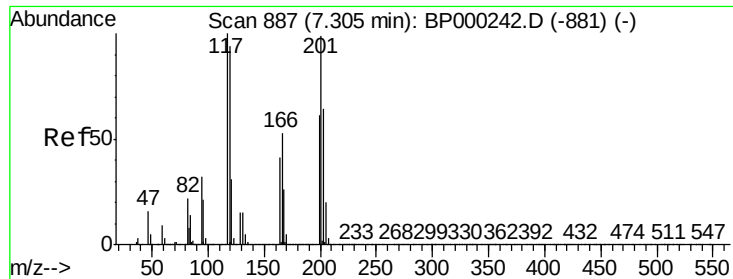
Ion Ratio Lower Upper

94 100

65 24.1 3.3 43.3

66 30.7 12.7 52.7

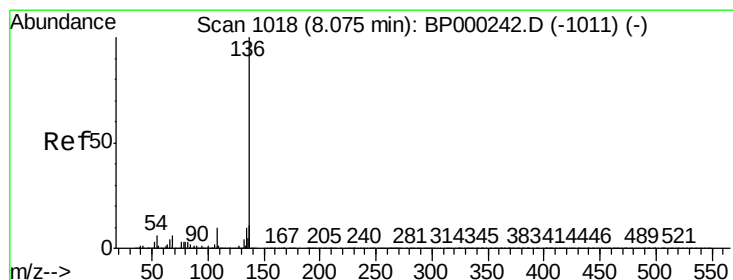
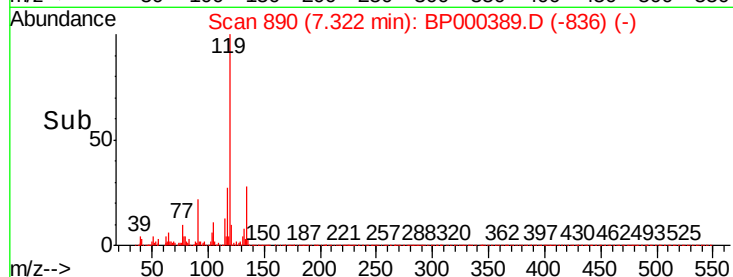
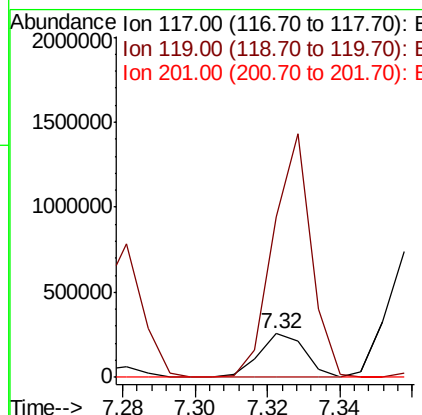
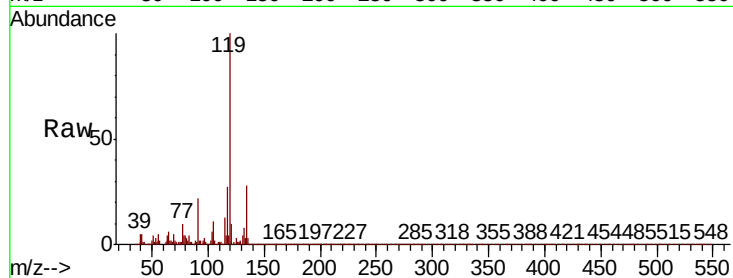




#18
Hexachloroethane
Concen: 34.614 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.02 min
Lab File: BP000389.D
Acq: 24 Sep 2019 17:24

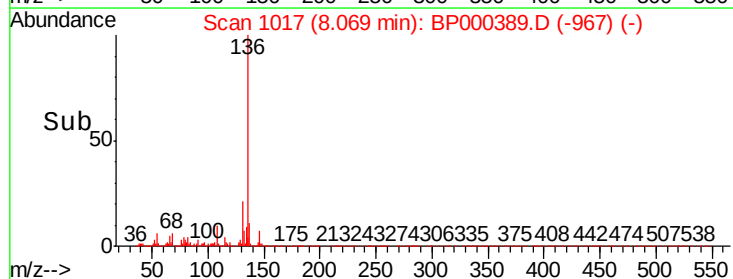
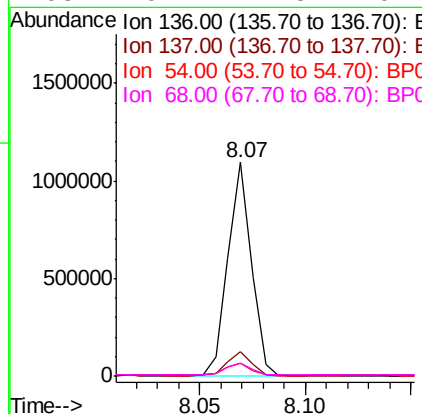
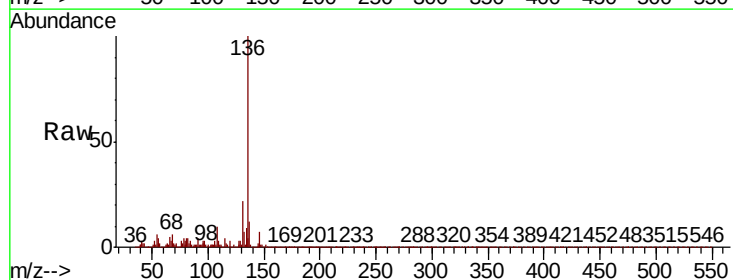
Instrument :
BNA_P
ClientSampleId :
SB-4

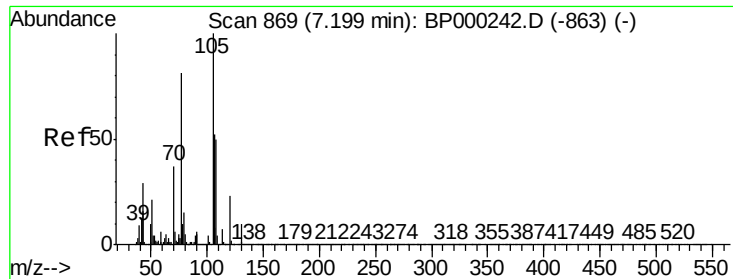
Tot Ion:117 Resp: 226683
Ion Ratio Lower Upper
117 100
119 369.4 75.6 113.4#
201 0.0 79.4 119.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000389.D
Acq: 24 Sep 2019 17:24

Tgt Ion:136 Resp: 835815
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 6.0 4.5 6.7
68 6.1 4.5 6.7





#22

Acetophenone

Concen: 19.063 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.01 min

Lab File: BP000389.D

Acq: 24 Sep 2019 17:24

Instrument :

BNA_P

ClientSampleId :

SB-4

Tot Ion:105 Resp: 345286

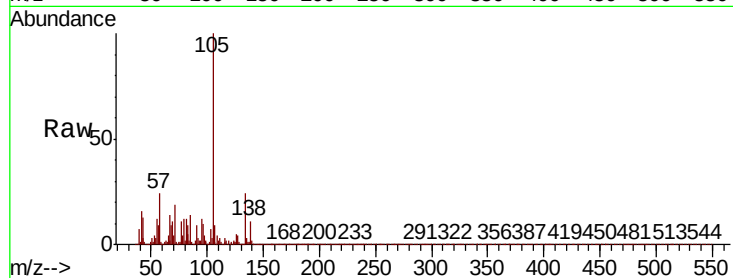
Ion Ratio Lower Upper

105 100

71 18.6 5.2 7.8#

51 3.1 16.6 24.8#

120 0.3 18.5 27.7#

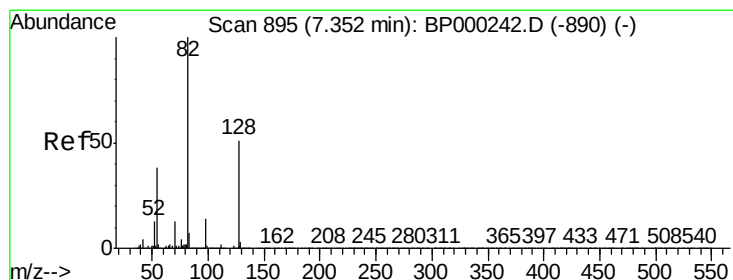
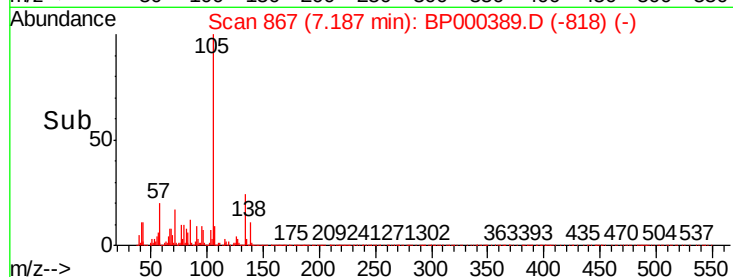
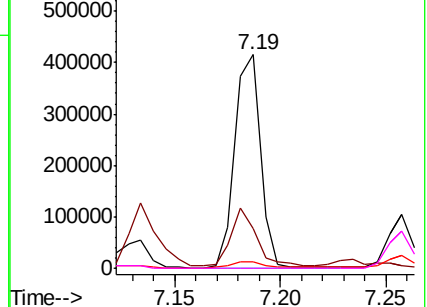


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BP0

Ion 51.00 (50.70 to 51.70): BP0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 70.475 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BP000389.D

Acq: 24 Sep 2019 17:24

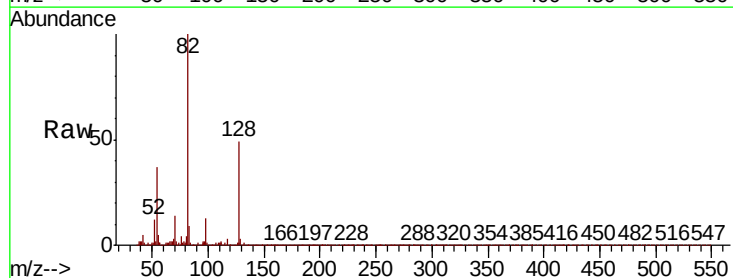
Tgt Ion: 82 Resp: 912968

Ion Ratio Lower Upper

82 100

128 48.9 40.7 61.1

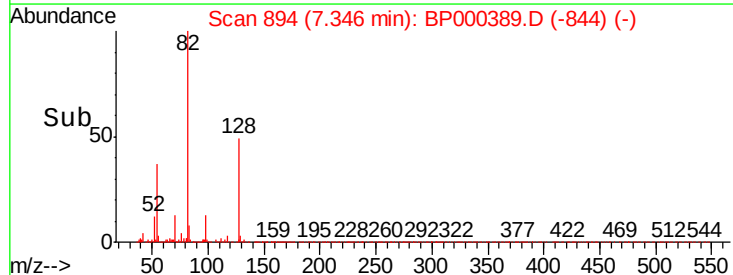
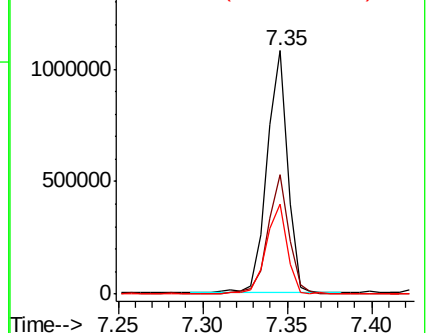
54 37.1 30.1 45.1

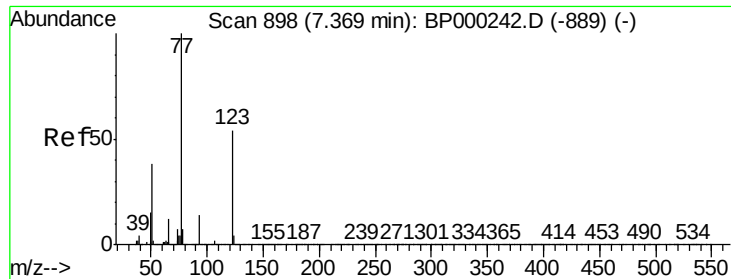


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0

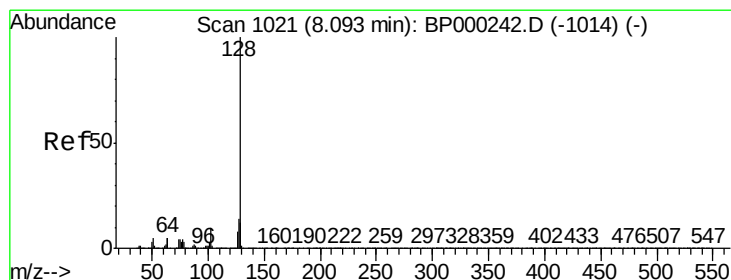
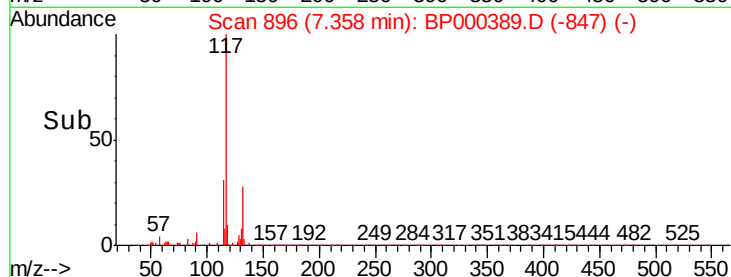
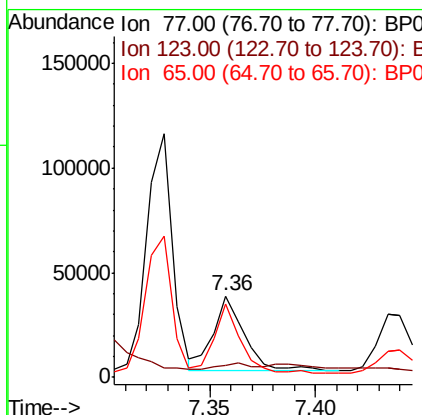
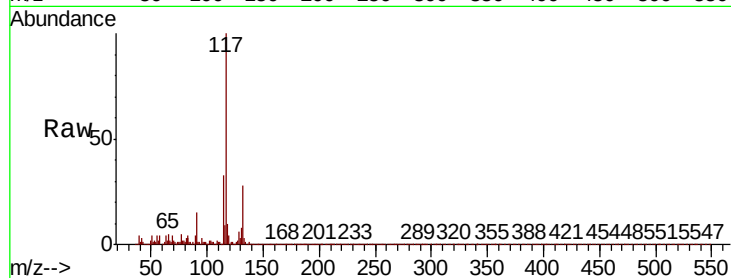




#24
 Nitrobenzene
 Concen: 2.714 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BP000389.D
 Acq: 24 Sep 2019 17:24

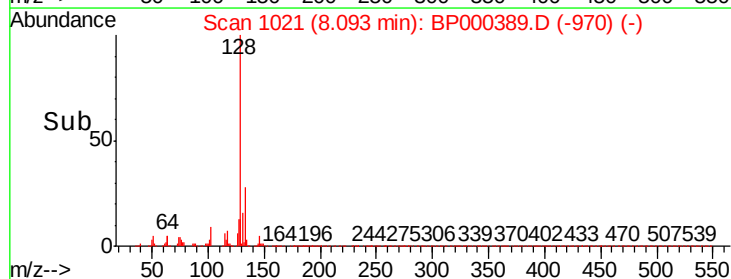
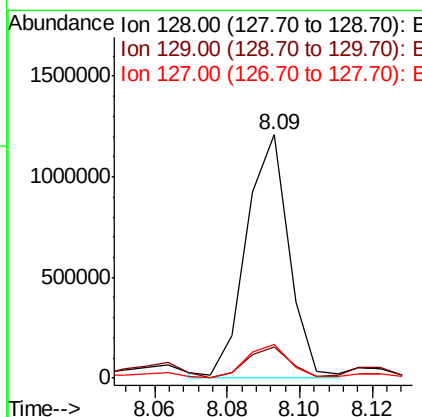
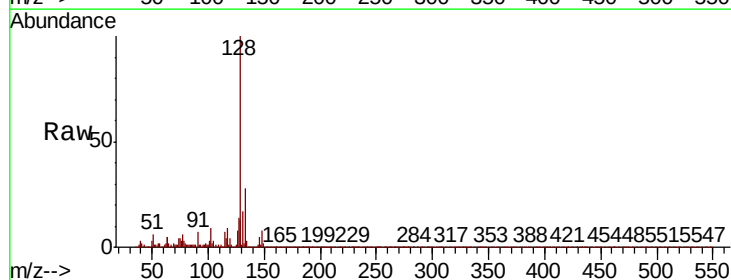
Instrument :
 BNA_P
 ClientSampled :
 SB-4

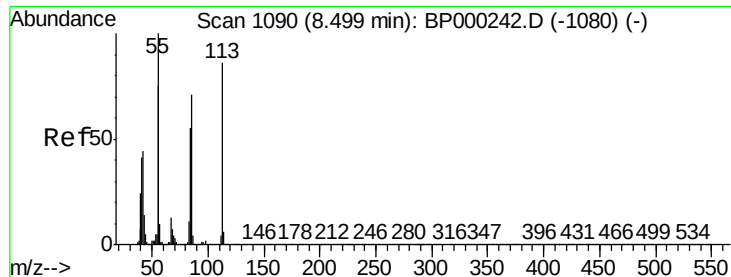
Tot Ion	Ratio	Lower	Upper
77	100		
123	14.7	43.1	64.7#
65	90.3	9.4	14.2#



#31
 Naphthalene
 Concen: 25.239 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BP000389.D
 Acq: 24 Sep 2019 17:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.0	9.2	13.8
127	13.8	11.0	16.6

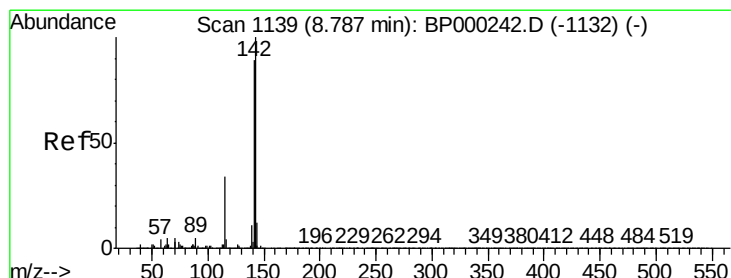
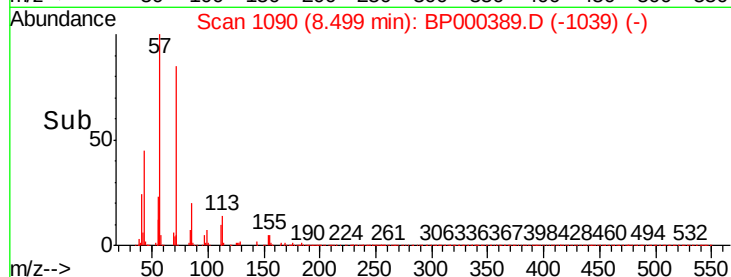
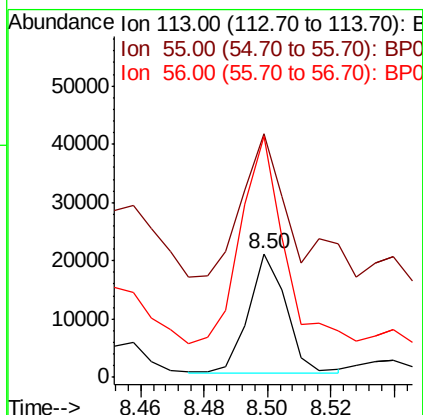
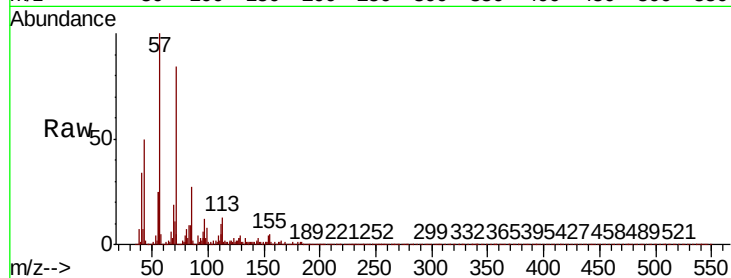




#35
 Caprolactam
 Concen: 4.047 ng
 RT: 8.50 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BP000389.D
 Acq: 24 Sep 2019 17:24

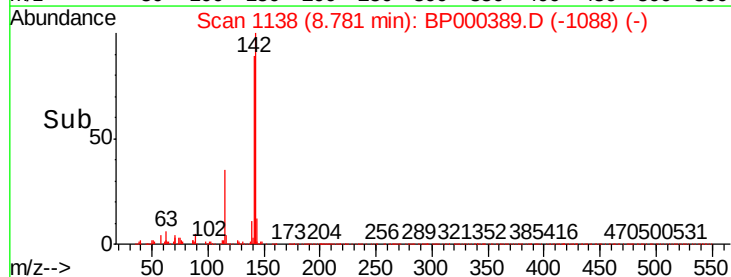
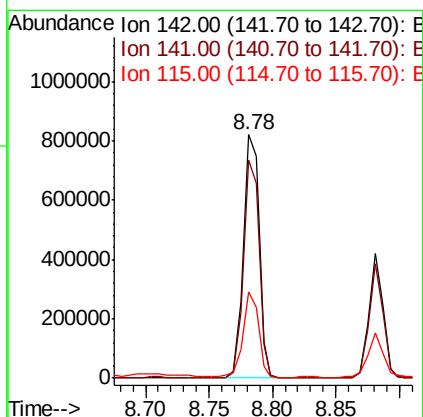
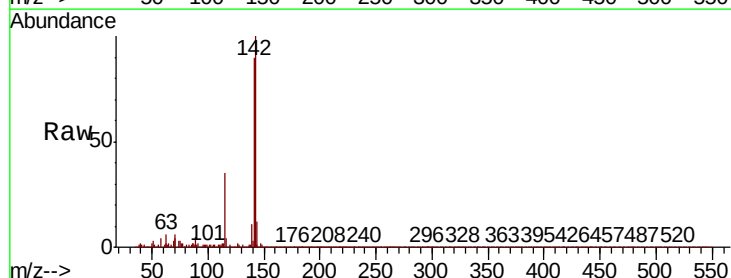
Instrument :
 BNA_P
 ClientSampleId :
 SB-4

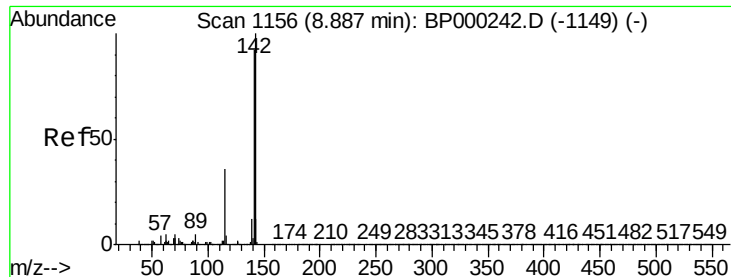
Tot Ion:113 Resp: 16764
 Ion Ratio Lower Upper
 113 100
 55 197.3 96.8 136.8#
 56 195.3 67.5 107.5#



#37
 2-Methylnaphthalene
 Concen: 26.487 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BP000389.D
 Acq: 24 Sep 2019 17:24

Tgt Ion:142 Resp: 700903
 Ion Ratio Lower Upper
 142 100
 141 89.5 71.3 106.9
 115 35.4 27.2 40.8

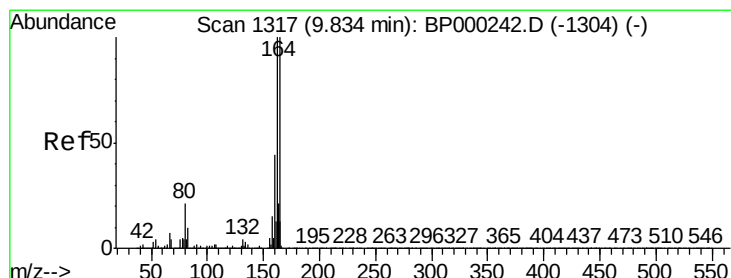
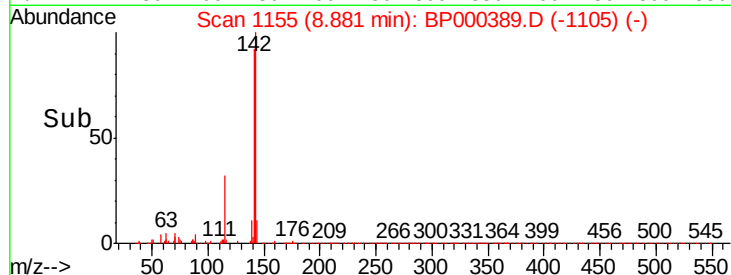
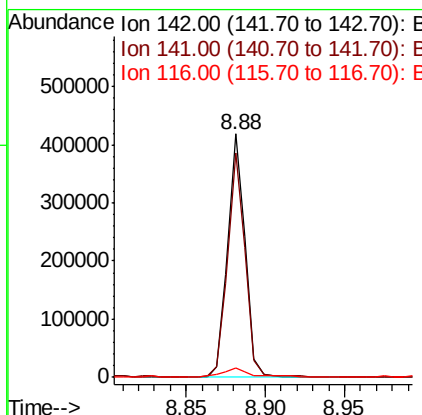
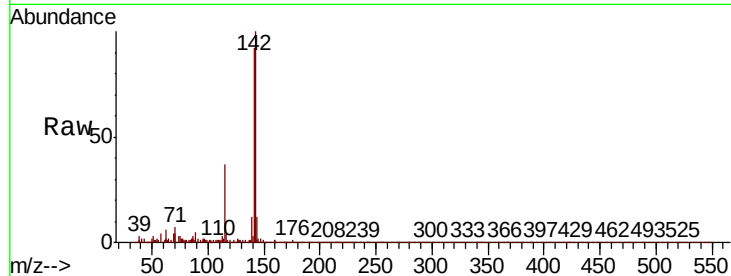




#38
1-Methylnaphthalene
Concen: 12.792 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BP000389.D
Acq: 24 Sep 2019 17:24

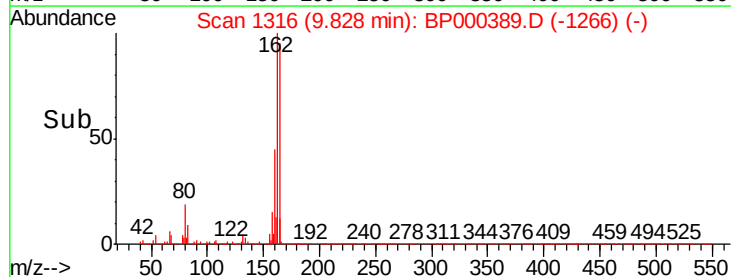
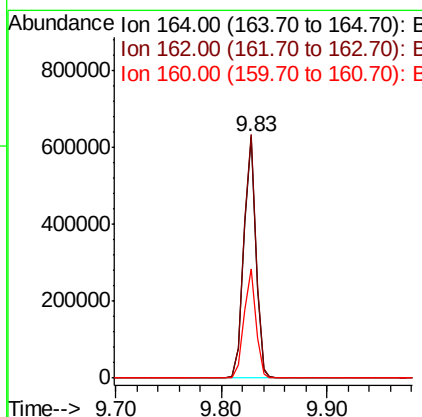
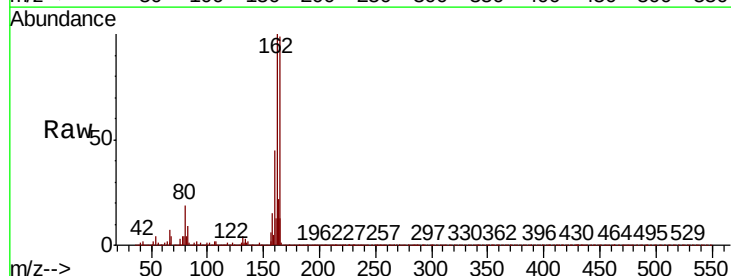
Instrument :
BNA_P
ClientSampled :
SB-4

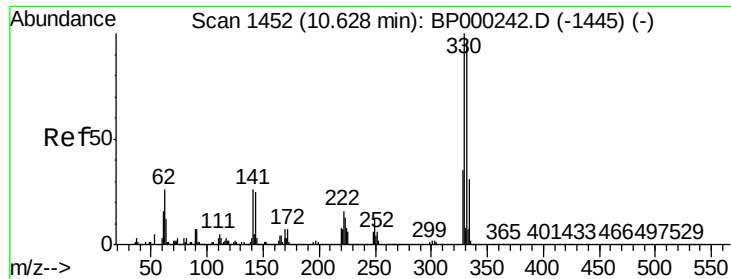
Tot Ion:142 Resp: 317091
Ion Ratio Lower Upper
142 100
141 92.3 73.9 110.9
116 3.9 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BP000389.D
Acq: 24 Sep 2019 17:24

Tgt Ion:164 Resp: 485234
Ion Ratio Lower Upper
164 100
162 101.0 79.9 119.9
160 45.2 35.6 53.4

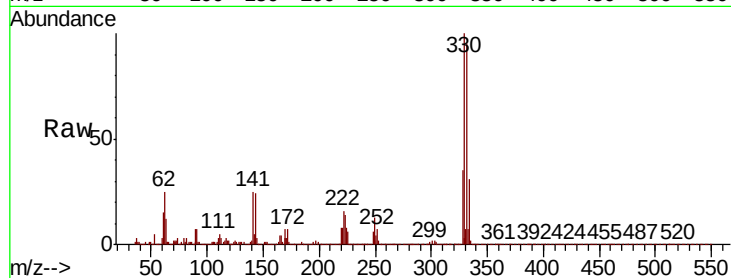




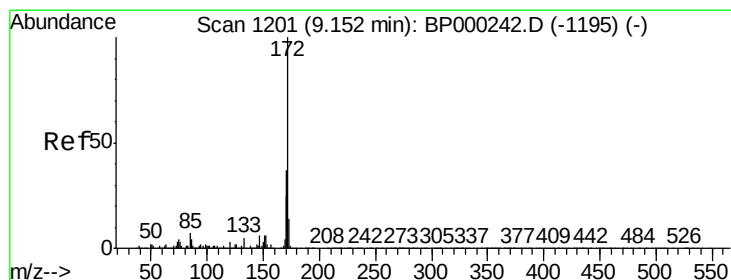
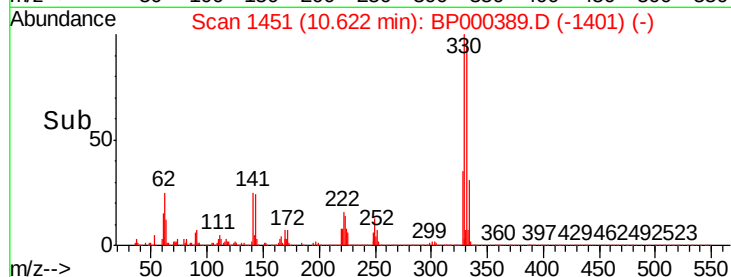
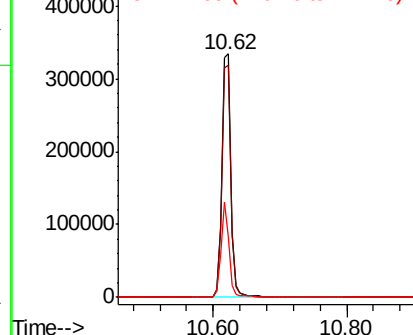
#42
2,4,6-Tribromophenol
Concen: 66.241 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000389.D
Acq: 24 Sep 2019 17:24

Instrument :
BNA_P
ClientSampled :
SB-4

Tot Ion:330 Resp: 318811
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 34.6 26.5 39.7

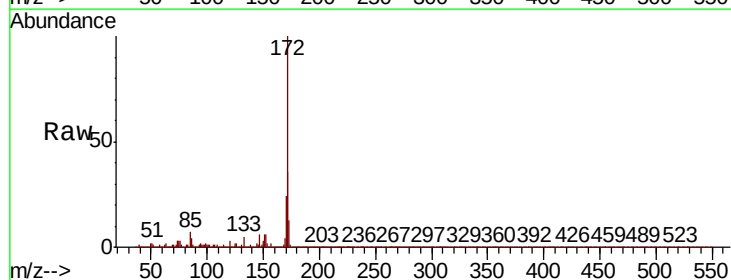


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

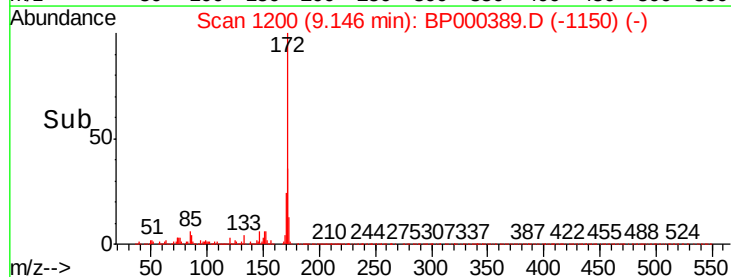
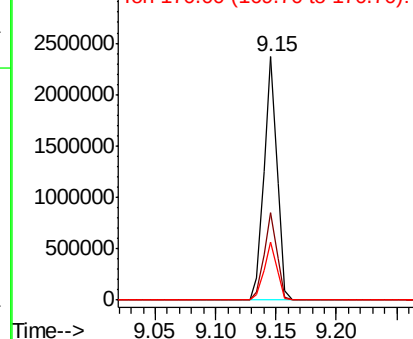


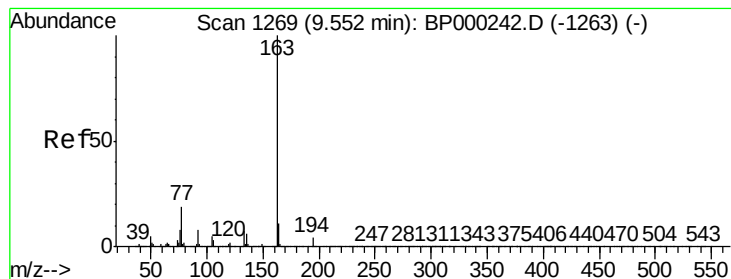
#45
2-Fluorobiphenyl
Concen: 66.737 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000389.D
Acq: 24 Sep 2019 17:24

Tgt Ion:172 Resp: 1799249
Ion Ratio Lower Upper
172 100
171 35.9 29.8 44.6
170 24.0 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: 9.661 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP000389.D

Acq: 24 Sep 2019 17:24

Instrument :

BNA_P

ClientSampleId :

SB-4

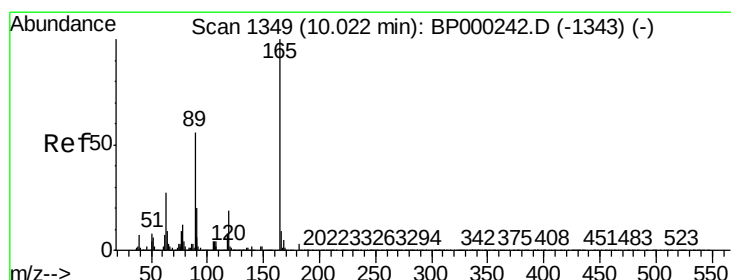
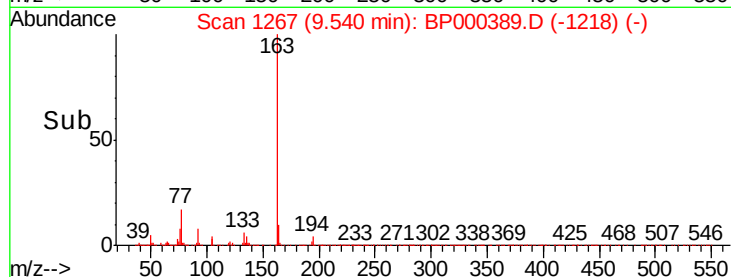
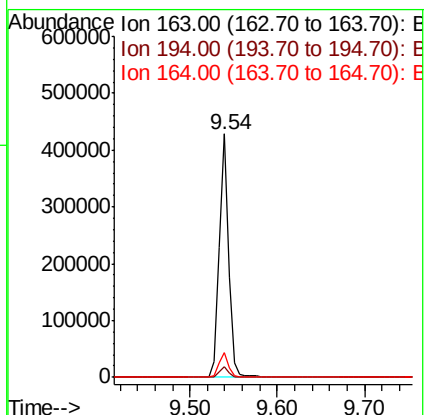
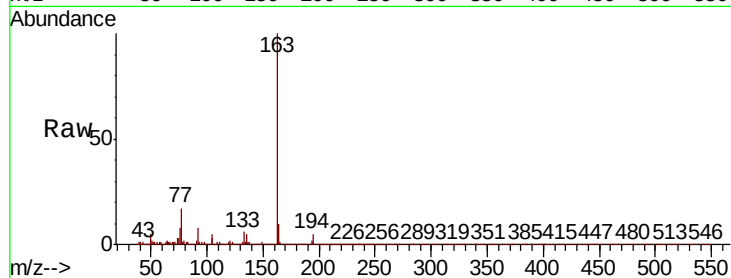
Tot Ion:163 Resp: 319388

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

164 10.1 8.5 12.7



#57

2,4-Dinitrotoluene

Concen: 6.900 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BP000389.D

Acq: 24 Sep 2019 17:24

Tgt Ion:165 Resp: 65571

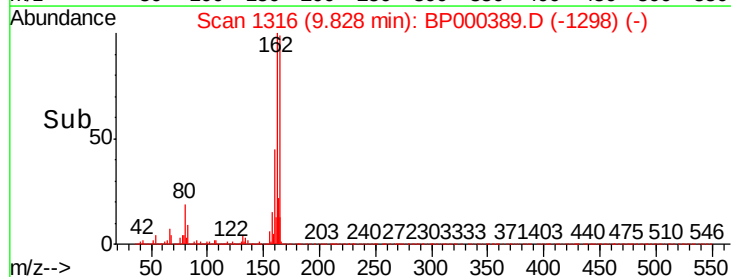
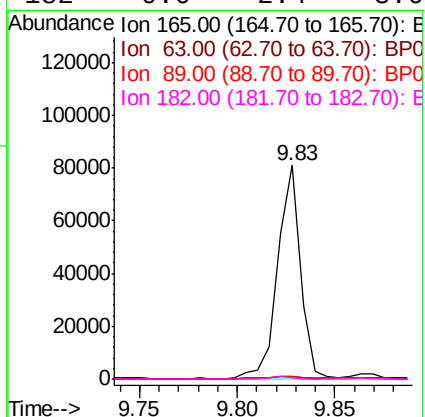
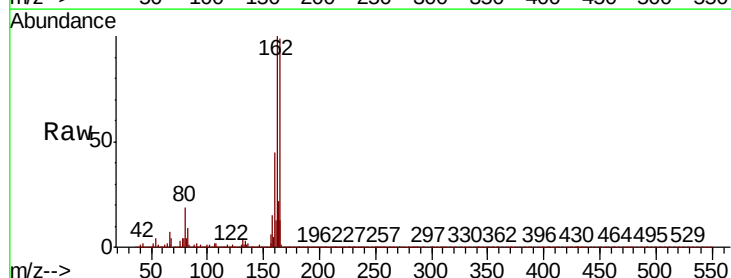
Ion Ratio Lower Upper

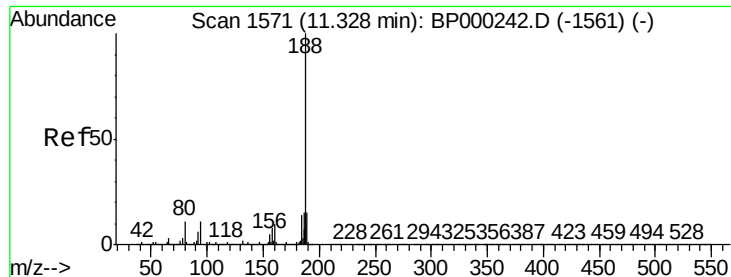
165 100

63 1.2 21.7 32.5#

89 1.5 45.0 67.6#

182 0.6 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BP000389.D

Acq: 24 Sep 2019 17:24

Instrument :

BNA_P

ClientSampleId :

SB-4

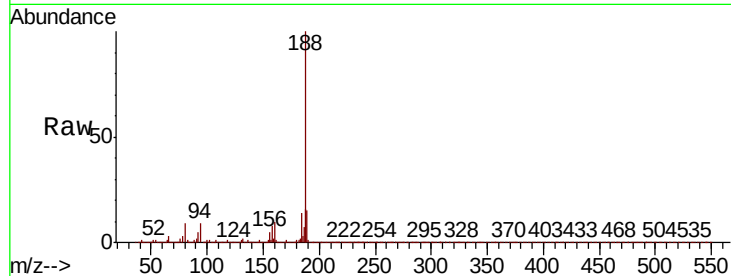
Tot Ion:188 Resp: 924366

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

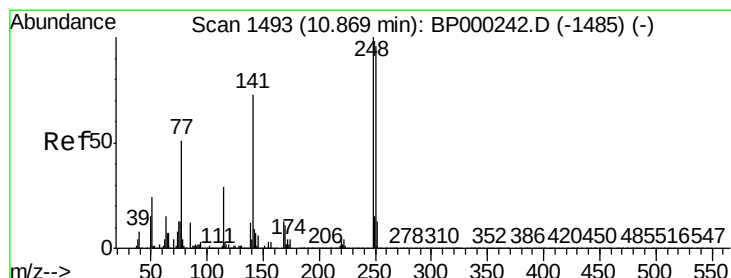
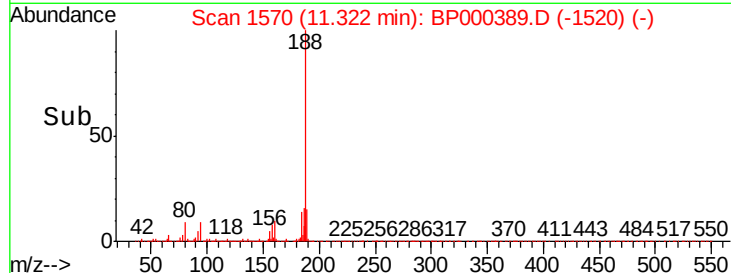
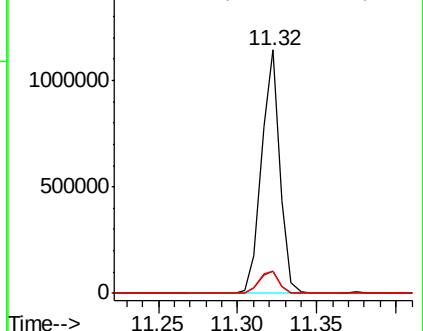
80 9.4 8.6 13.0



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



#67

4-Bromophenyl-phenylether

Concen: 2.086 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BP000389.D

Acq: 24 Sep 2019 17:24

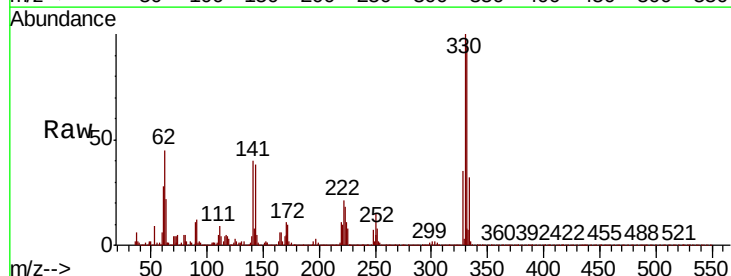
Tgt Ion:248 Resp: 21800

Ion Ratio Lower Upper

248 100

250 203.3 77.0 115.4#

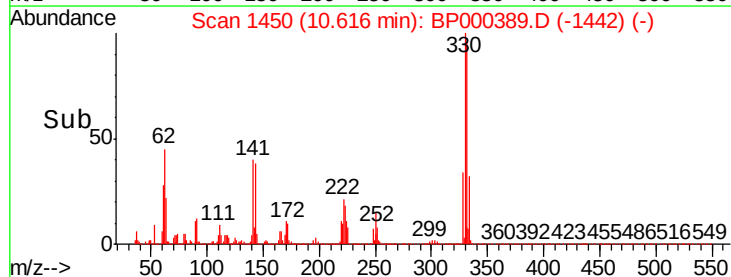
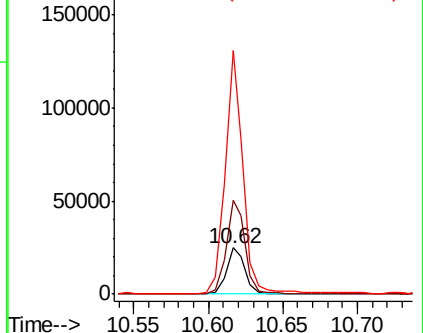
141 530.7 58.5 87.7#

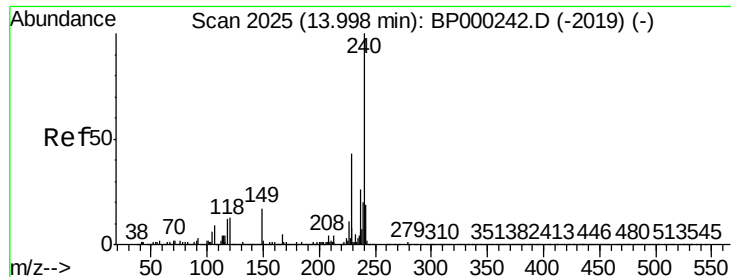


Abundance Ion 248.00 (247.70 to 248.70): E

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: BP000389.D

Acq: 24 Sep 2019 17:24

Instrument :

BNA_P

ClientSampleId :

SB-4

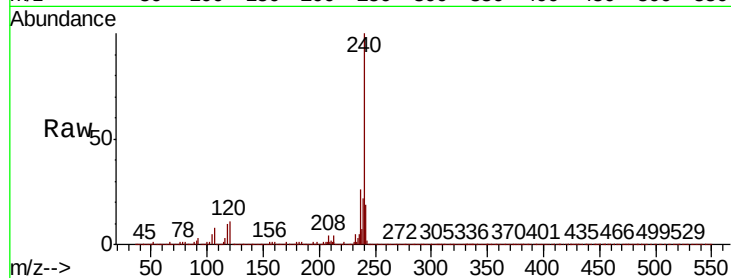
Tot Ion:240 Resp: 847589

Ion Ratio Lower Upper

240 100

120 11.3 10.4 15.6

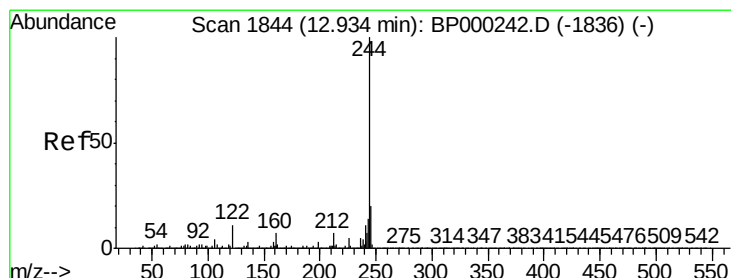
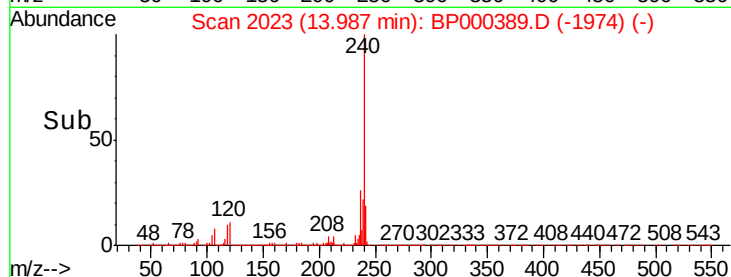
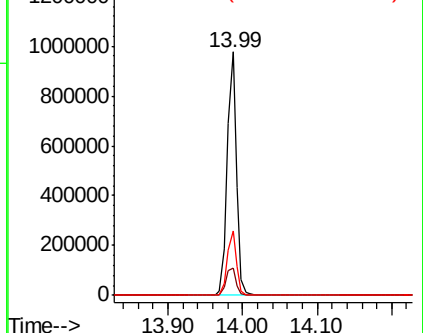
236 26.3 21.0 31.6



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: 55.181 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BP000389.D

Acq: 24 Sep 2019 17:24

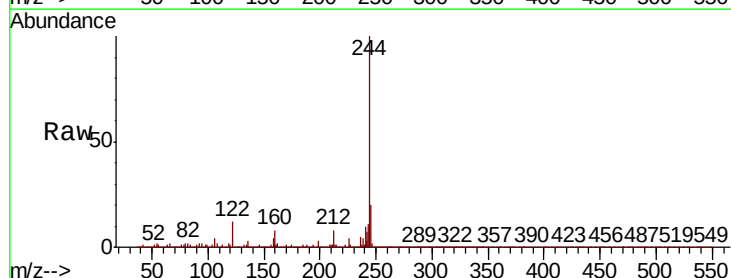
Tgt Ion:244 Resp: 2229458

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

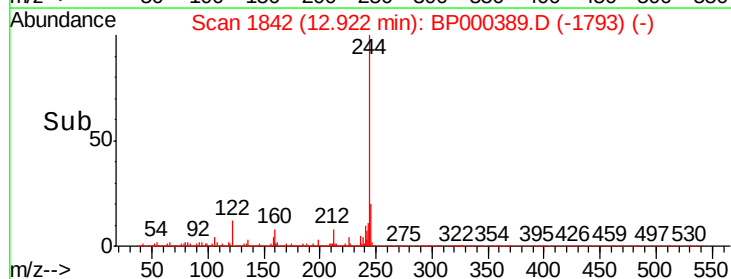
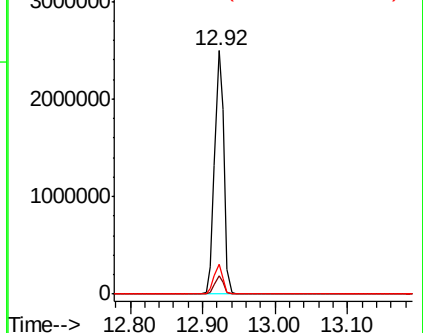
122 12.0 9.0 13.4

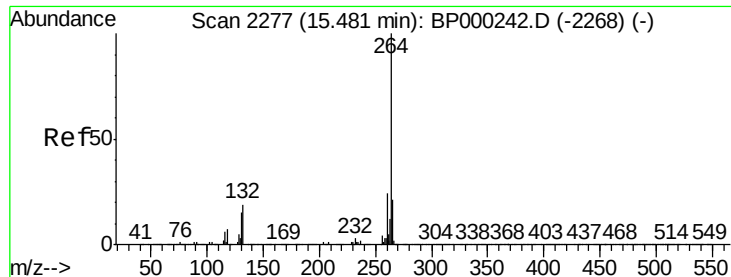


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BP000389.D
Acq: 24 Sep 2019 17:24

Instrument :
BNA_P
ClientSampled :
SB-4

Tot Ion: 264 Resp: 939217

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.8	17.2	25.8

