

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000301.D
 Acq On : 18 Sep 2019 16:49
 Operator : HP/JU
 Sample : K4938-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 19 03:19:23 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

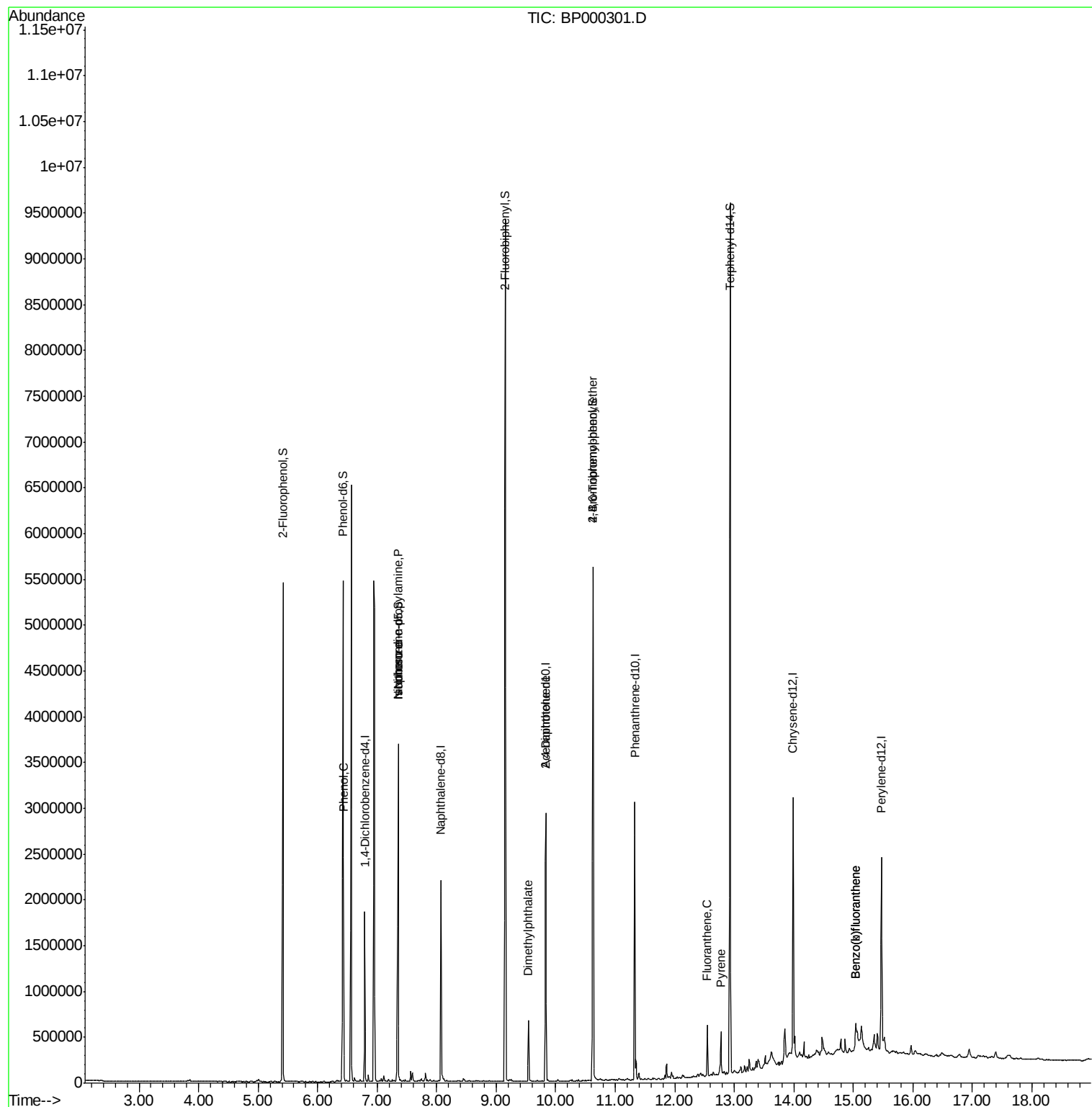
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	280154	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1017302	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	575827	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1082692	20.00	ng	0.00
76) Chrysene-d12	13.99	240	924326	20.00	ng	0.00
87) Perylene-d12	15.47	264	966552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1747670	107.69	ng	0.01
7) Phenol-d6	6.43	99	2229507	112.08	ng	0.00
23) Nitrobenzene-d5	7.35	82	1274456	80.83	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	798703	139.84	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2783899	87.01	ng	0.00
79) Terphenyl-d14	12.93	244	3518744	79.86	ng	0.00
Target Compounds						
9) Benzaldehyde	6.56	77	37800	Below Cal		Qvalue 84
10) Phenol	6.44	94	57743	2.555 ng		97
19) n-Nitroso-di-n-propylamine	7.35	70	157986	15.021 ng	#	75
25) Isophorone	7.35	82	1274093	40.808 ng	#	63
50) Dimethylphthalate	9.55	163	287739	7.334 ng		98
57) 2,4-Dinitrotoluene	9.83	165	74416	6.599 ng	#	35
67) 4-Bromophenyl-phenylether	10.63	248	54610	4.460 ng	#	1
69) Atrazine	11.03	200	50	Below Cal	#	1
75) Fluoranthene	12.55	202	214625	3.684 ng		97
78) Pyrene	12.78	202	197926	2.862 ng		99
88) Benzo(b)fluoranthene	15.04	252	165167	2.864 ng		98
89) Benzo(k)fluoranthene	15.04	252	165167	3.284 ng		98

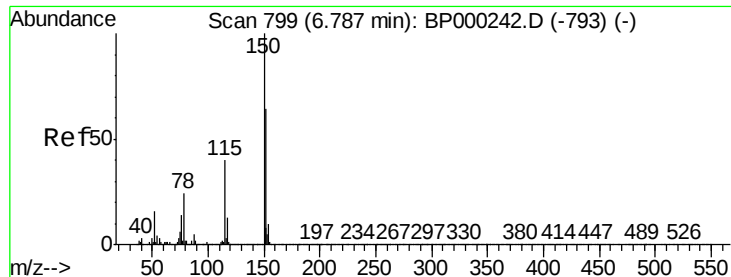
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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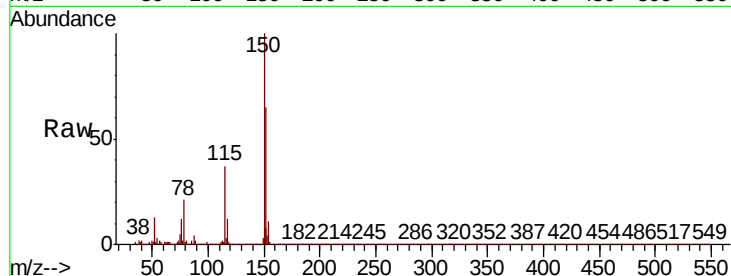


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000301.D
Acq: 18 Sep 2019 16:49

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.2	187.8
115	57.0	49.7	74.5

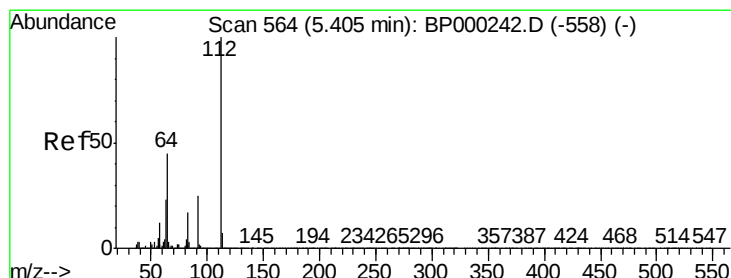
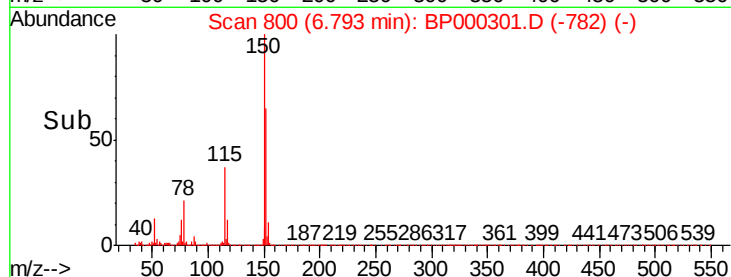
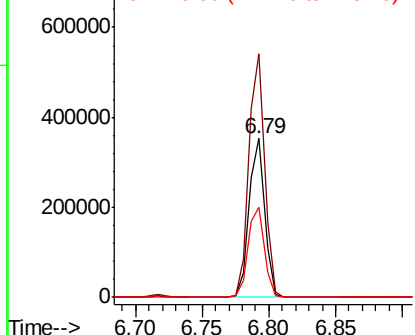


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

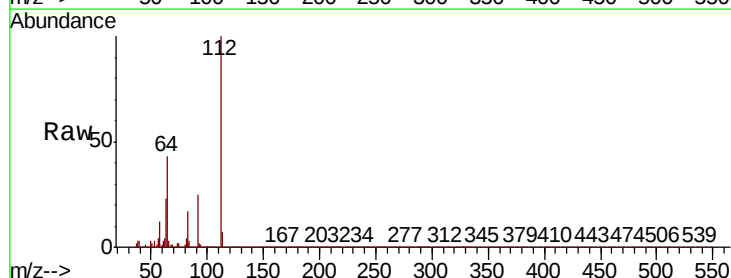
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.694 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000301.D
Acq: 18 Sep 2019 16:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.9	36.2	54.4
63	22.6	18.3	27.5

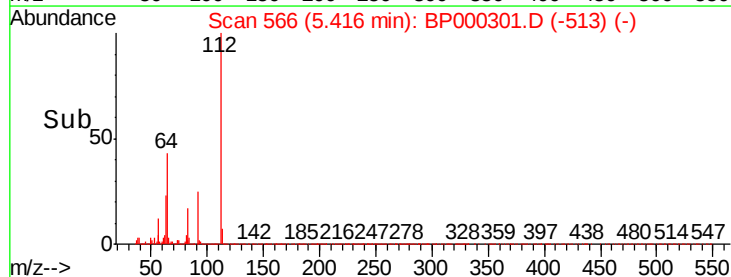
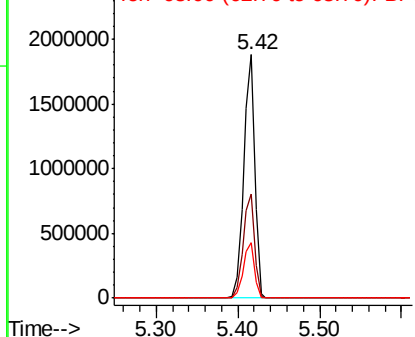


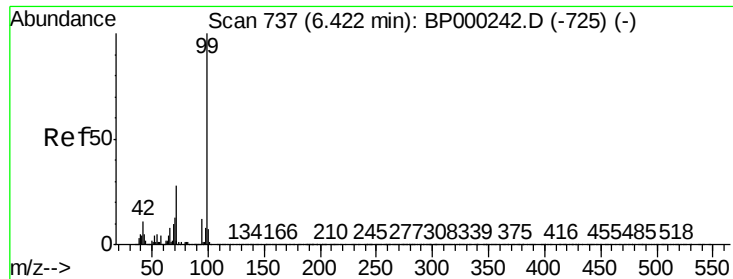
Abundance

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: 112.079 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

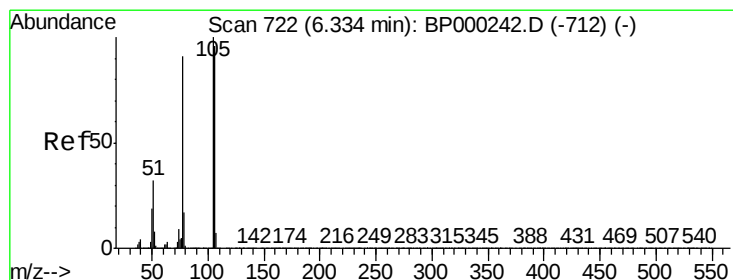
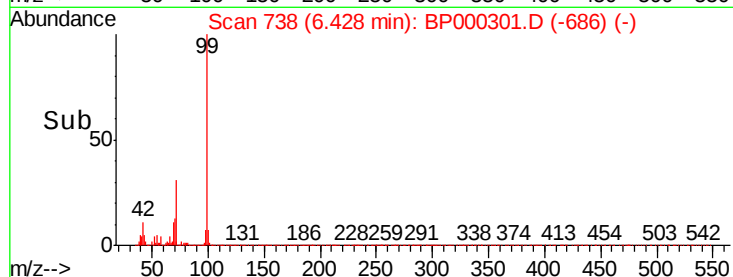
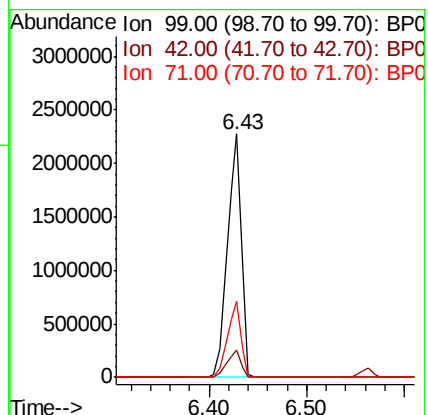
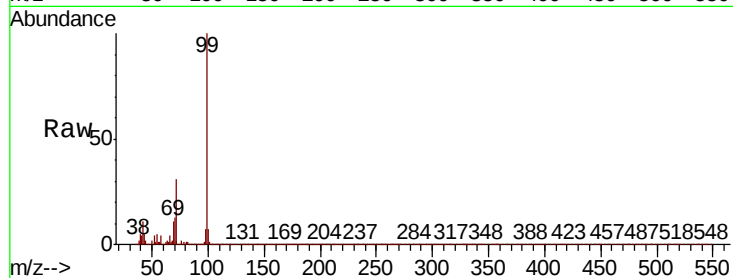
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 2229507

Ion	Ratio	Lower	Upper
99	100		
42	11.2	8.5	12.7
71	31.2	22.6	34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.56 min Scan# 761

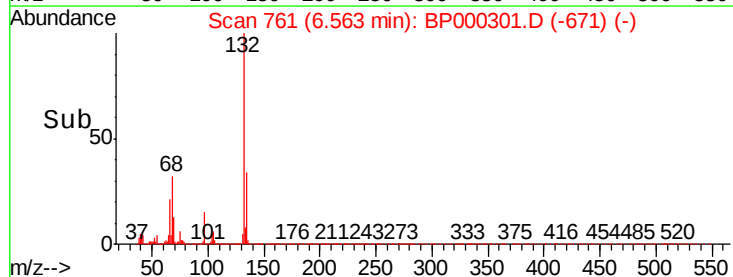
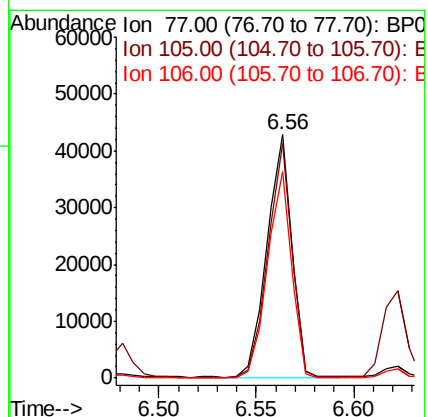
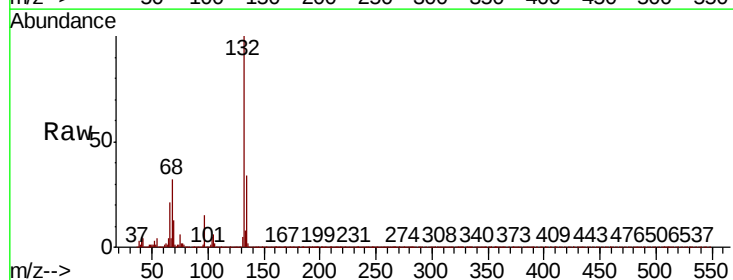
Delta R.T. 0.23 min

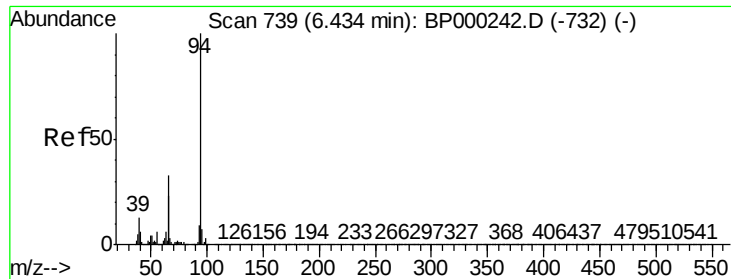
Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

Tgt Ion: 77 Resp: 37800

Ion	Ratio	Lower	Upper
77	100		
105	96.3	89.6	129.6
106	84.8	84.6	124.6





#10

Phenol

Concen: 2.555 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

Instrument :

BNA_P

ClientSampleID :

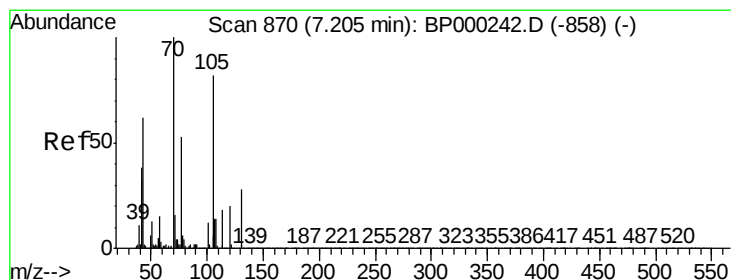
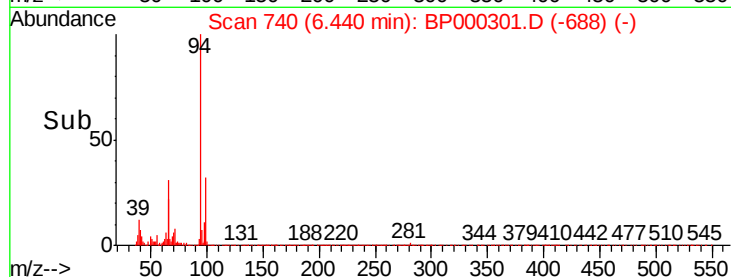
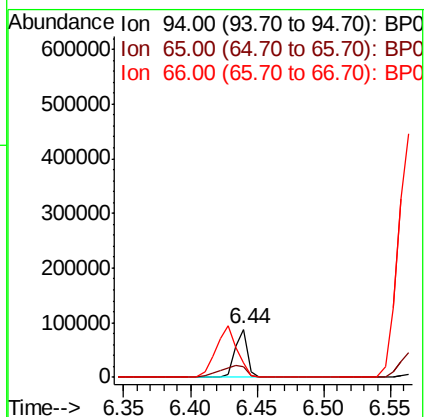
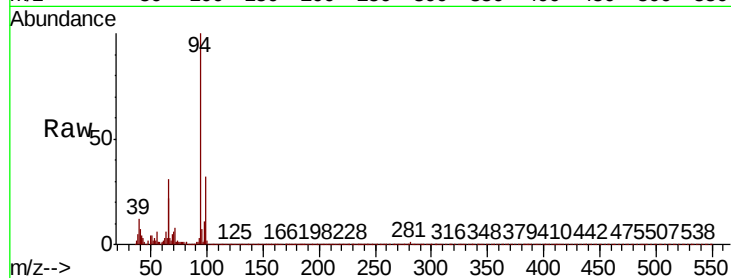
Tot Ion: 94 Resp: 57743

Ion Ratio Lower Upper

94 100

65 22.3 3.3 43.3

66 31.0 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.021 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.15 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

Tgt Ion: 70 Resp: 157986

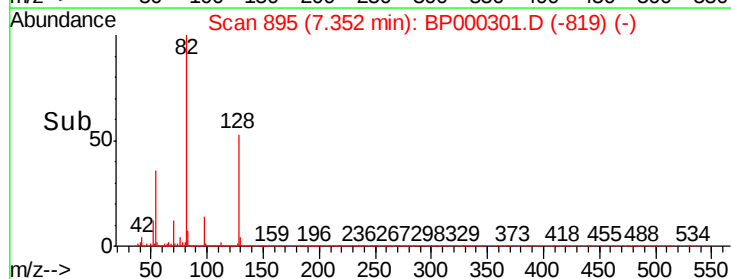
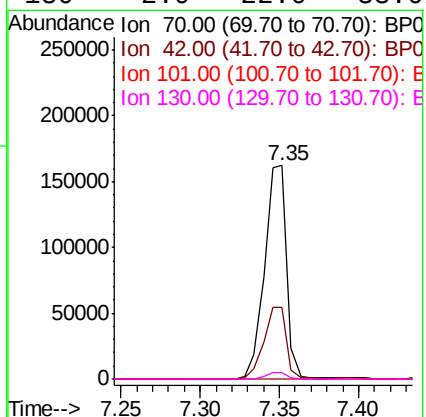
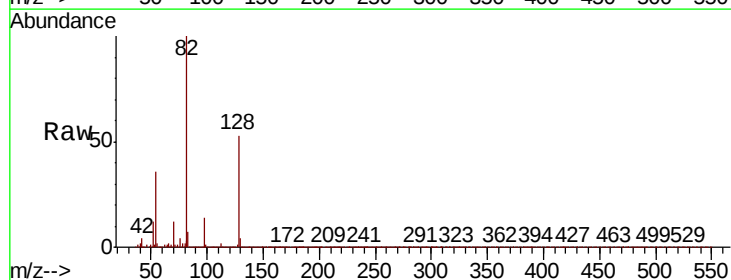
Ion Ratio Lower Upper

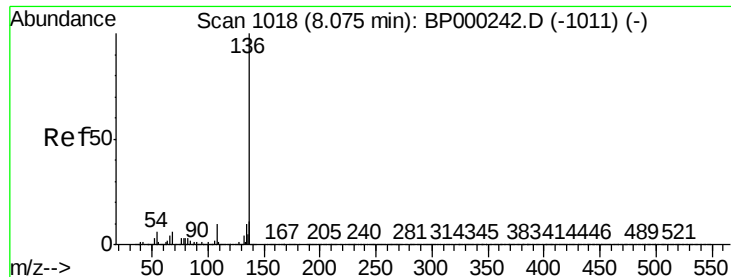
70 100

42 33.4 30.7 46.1

101 0.0 9.6 14.4#

130 2.9 22.0 33.0#

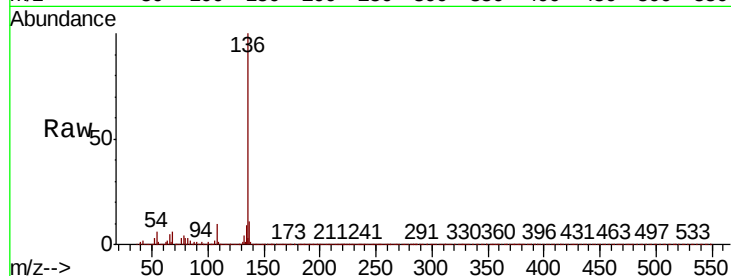




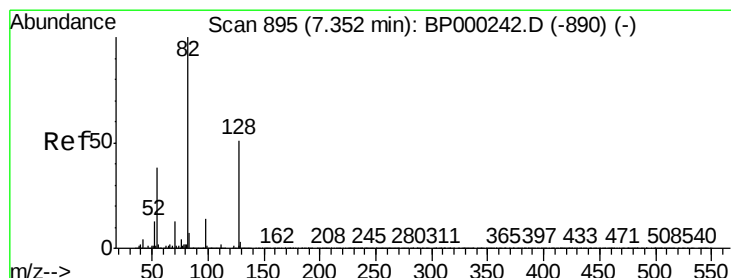
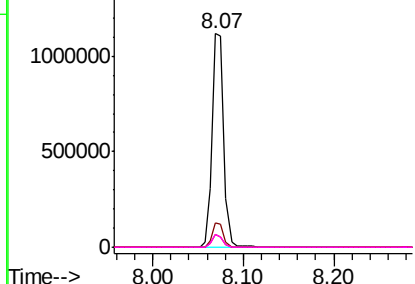
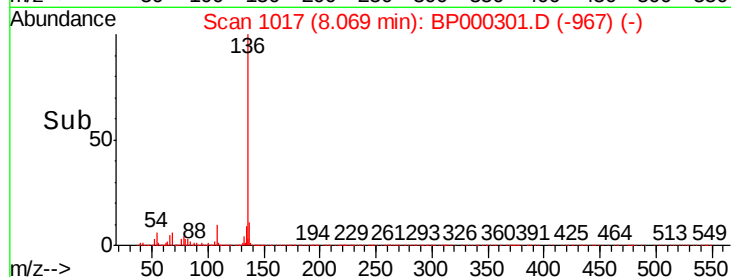
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000301.D
Acq: 18 Sep 2019 16:49

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136	Resp: 1017302
Ion Ratio	Lower Upper
136 100	
137 11.3	8.6 13.0
54 6.0	4.5 6.7
68 6.0	4.5 6.7

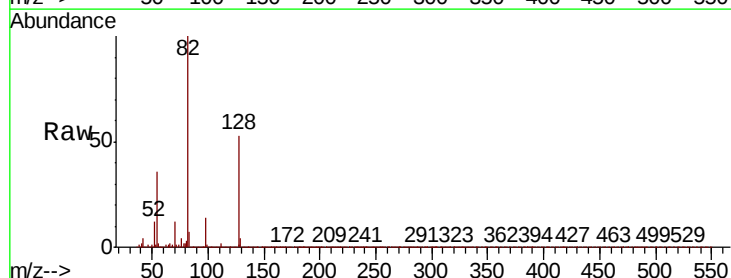


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

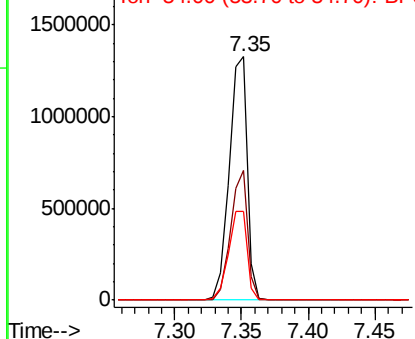
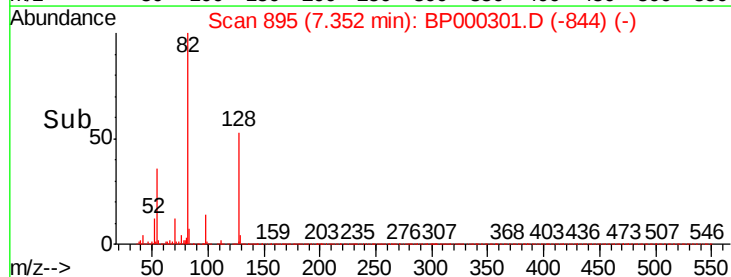


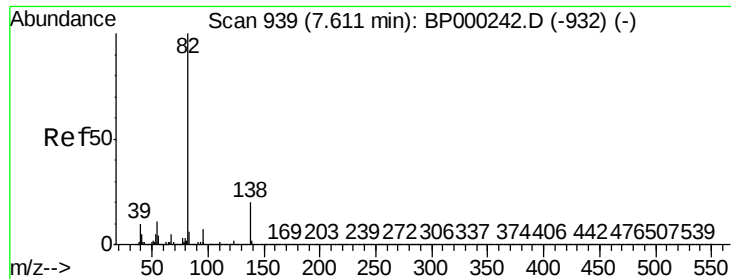
#23
Nitrobenzene-d5
Concen: 80.829 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.00 min
Lab File: BP000301.D
Acq: 18 Sep 2019 16:49

Tgt	Ion: 82	Resp: 1274456	
Ion	Ratio	Lower	Upper
82	100		
128	53.4	40.7	61.1
54	36.3	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: 40.808 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

Instrument :

BNA_P

ClientSampleId :

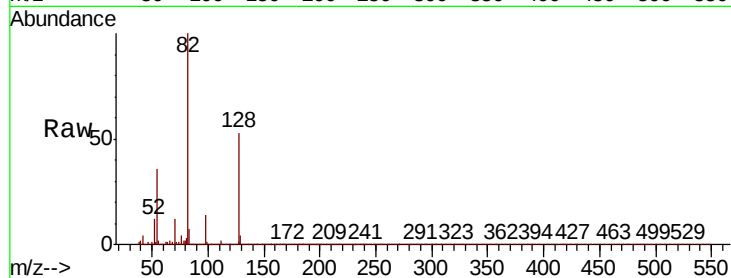
Tot Ion: 82 Resp: 1274093

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

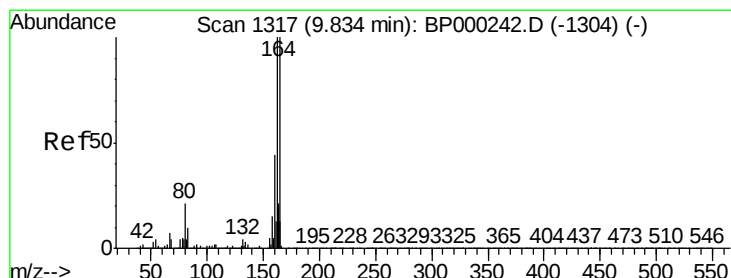
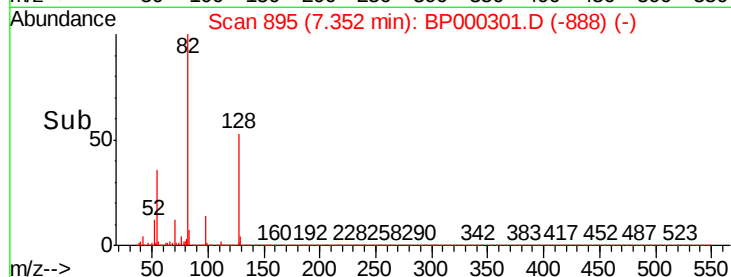
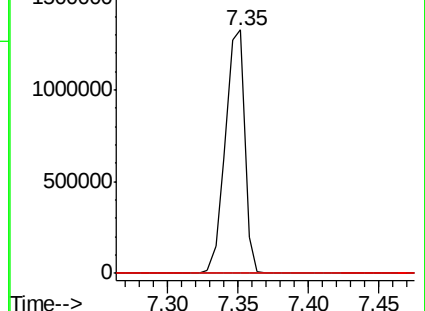
138 0.0 15.9 23.9#



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: BP000301.D

Acq: 18 Sep 2019 16:49

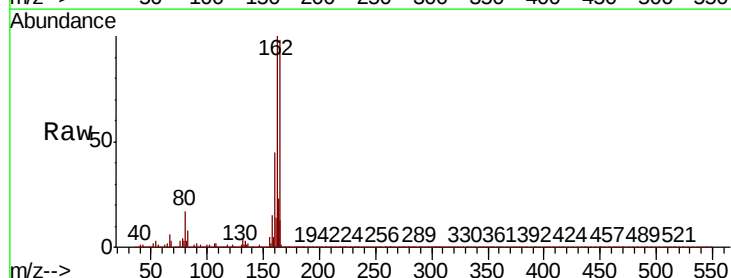
Tgt Ion: 164 Resp: 575827

Ion Ratio Lower Upper

164 100

162 101.9 79.9 119.9

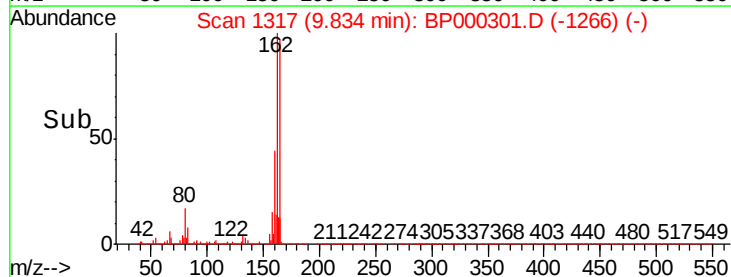
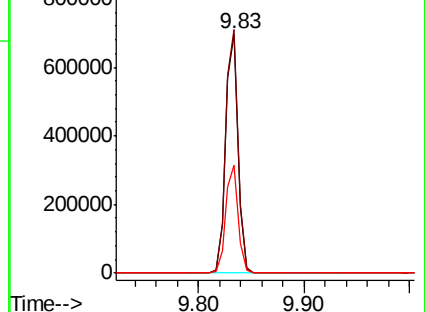
160 45.4 35.6 53.4

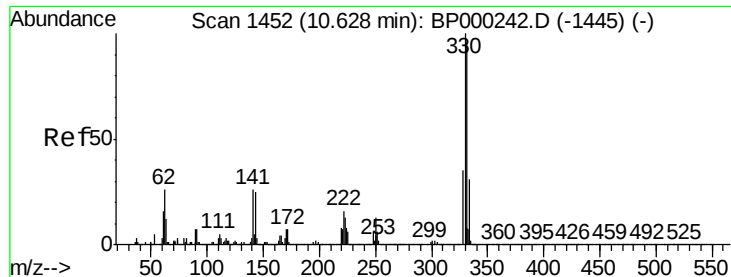


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

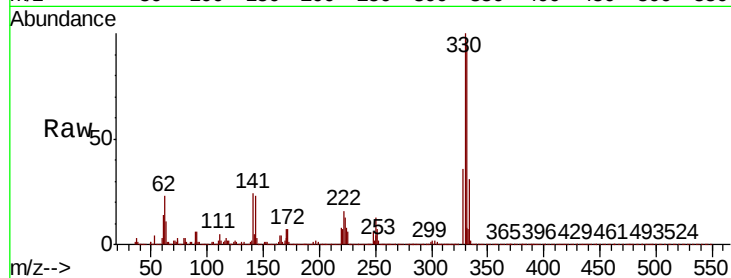




#42
 2,4,6-Tribromophenol
 Concen: 139.843 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BP000301.D
 Acq: 18 Sep 2019 16:49

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	30.0	26.5	39.7

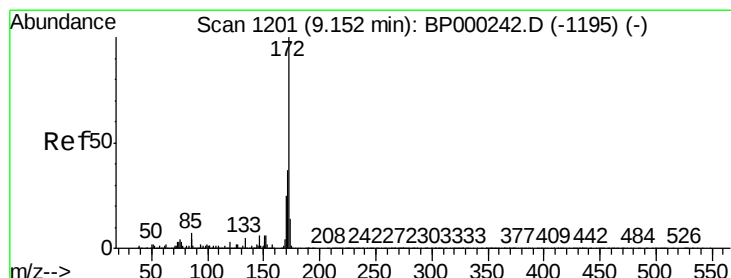
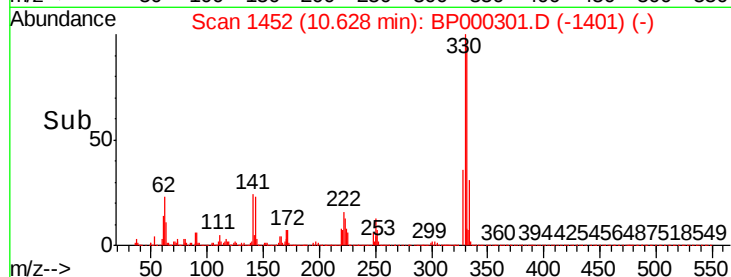
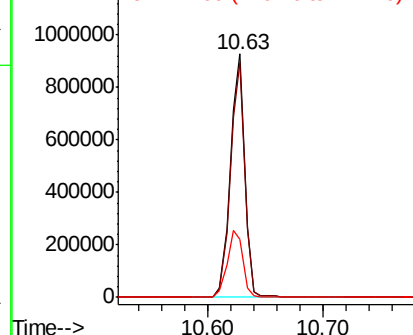


Abundance

Ion 329.80 (329.50 to 330.50): E

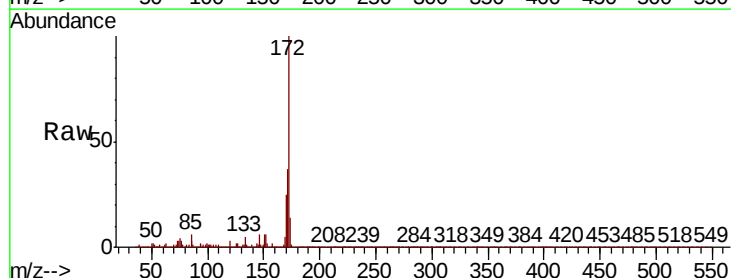
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.014 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BP000301.D
 Acq: 18 Sep 2019 16:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.8	44.6
170	24.9	19.8	29.6

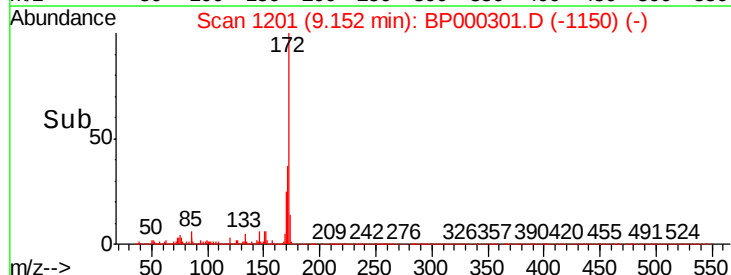
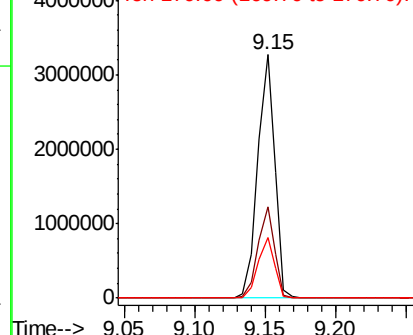


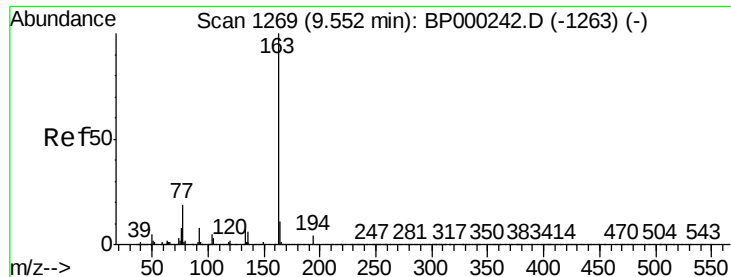
Abundance

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: 7.334 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

Instrument :

BNA_P

ClientSampled :

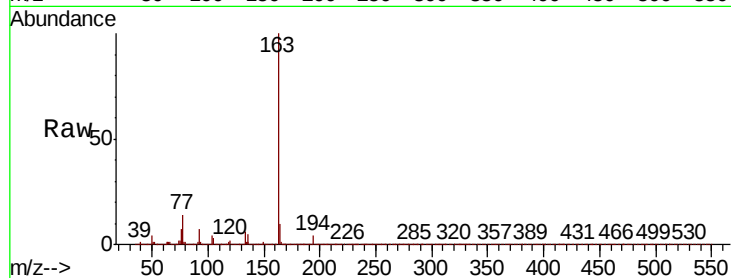
Tot Ion:163 Resp: 287739

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

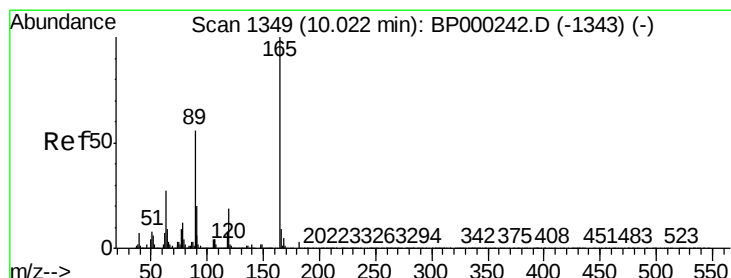
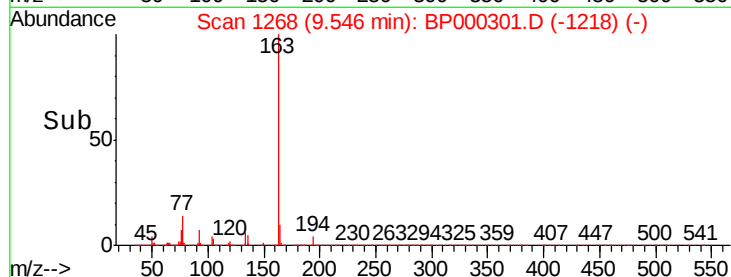
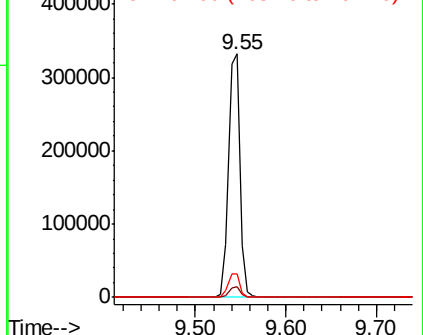
164 9.6 8.5 12.7



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: 6.599 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

Tgt Ion:165 Resp: 74416

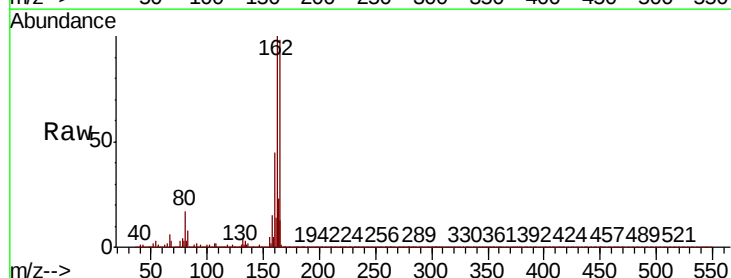
Ion Ratio Lower Upper

165 100

63 1.1 21.7 32.5#

89 1.3 45.0 67.6#

182 0.0 2.4 3.6#

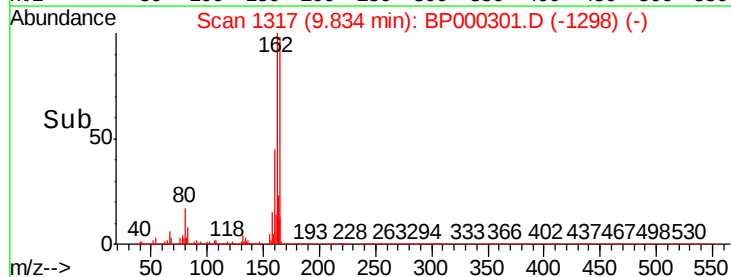
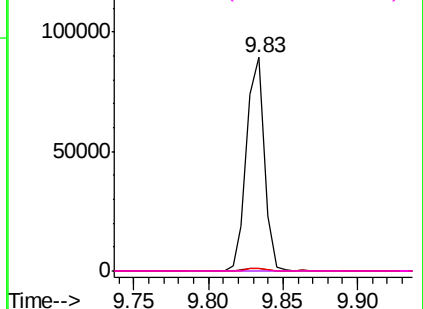


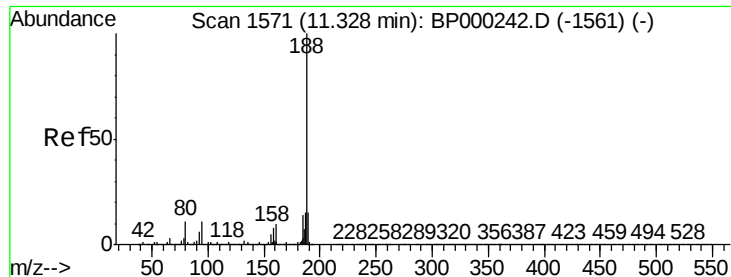
Abundance Ion 165.00 (164.70 to 165.70): E

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: BP000301.D

Acq: 18 Sep 2019 16:49

Instrument :

BNA_P

ClientSampleId :

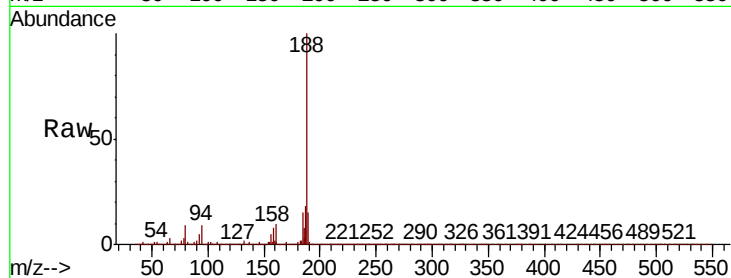
Tot Ion:188 Resp: 1082692

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

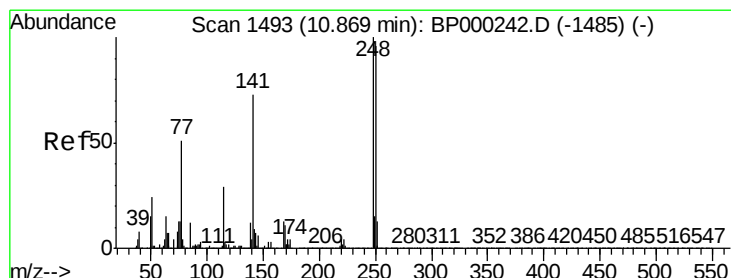
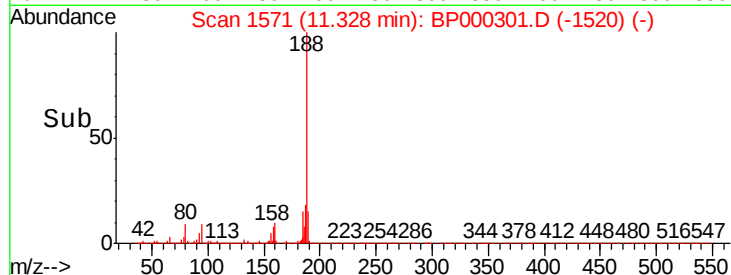
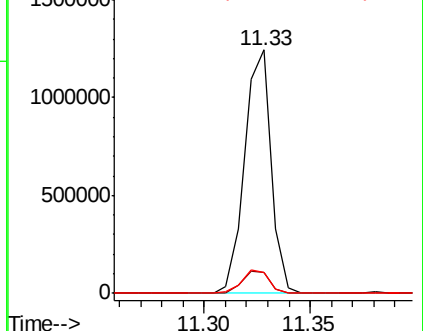
80 8.6 8.6 13.0



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: 4.460 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

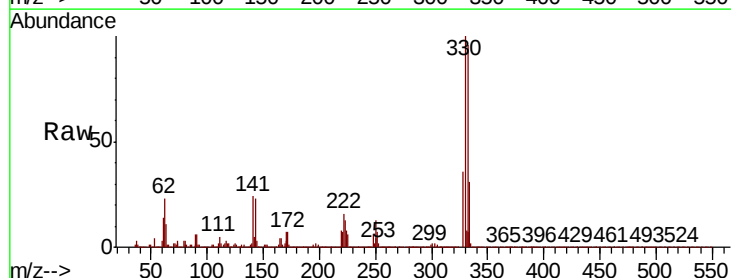
Tgt Ion:248 Resp: 54610

Ion Ratio Lower Upper

248 100

250 198.6 77.0 115.4#

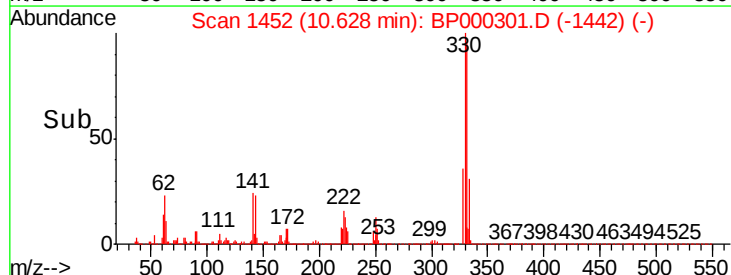
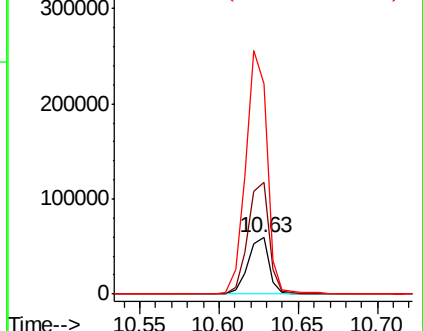
141 374.0 58.5 87.7#

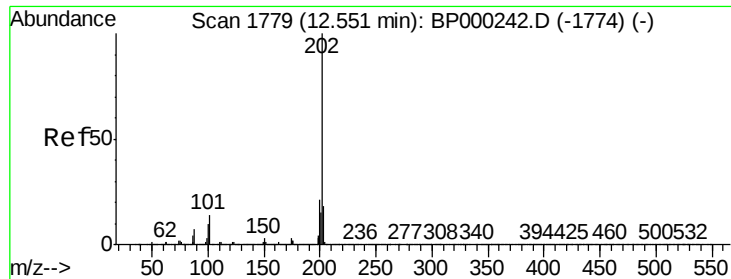


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.684 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BP000301.D

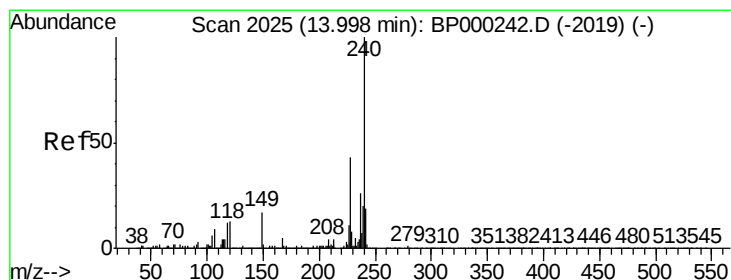
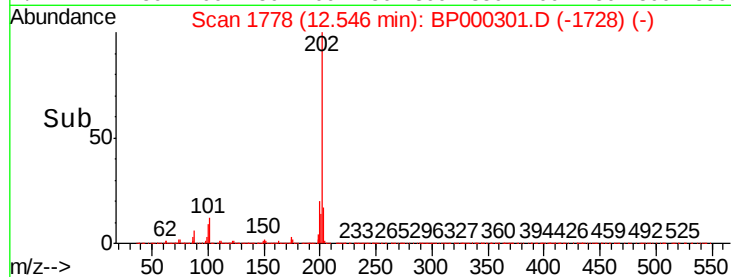
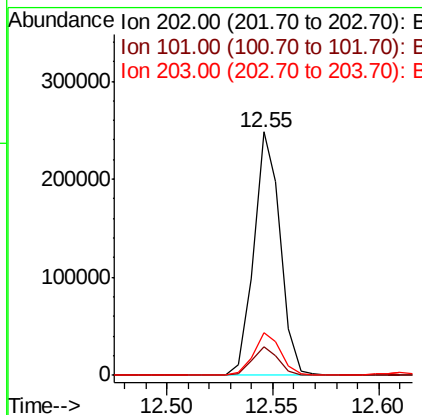
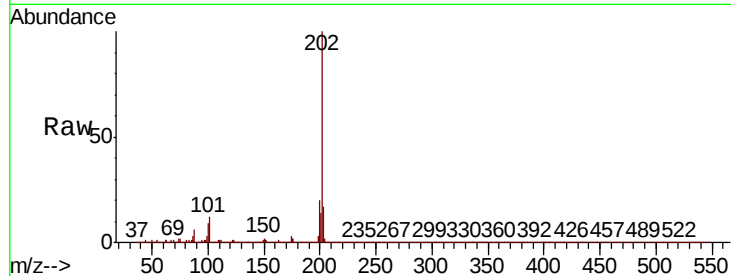
Acq: 18 Sep 2019 16:49

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	214625
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	33.9
203	17.5	0.0	38.0



#76

Chrysene-d12

Concen: 20.000 ng

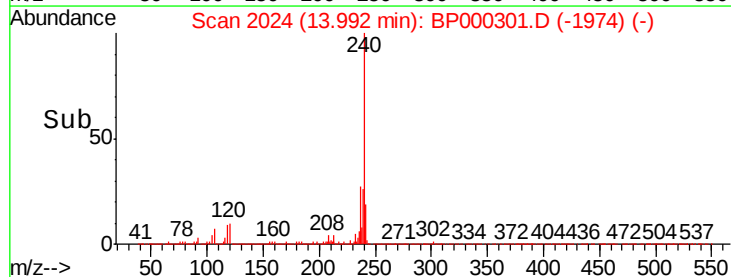
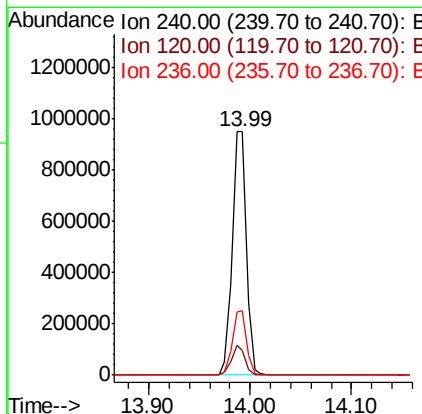
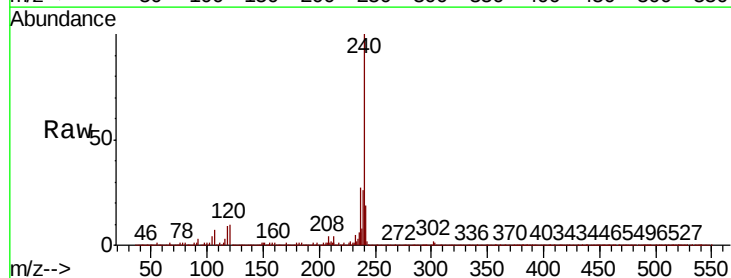
RT: 13.99 min Scan# 2024

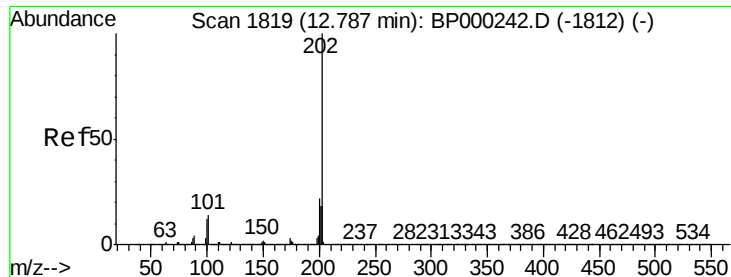
Delta R.T. -0.01 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

Tgt Ion:	240	Resp:	924326
Ion Ratio	Lower	Upper	
240	100		
120	10.0	10.4	15.6#
236	26.6	21.0	31.6





#78

Pvrene

Concen: 2.862 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

Instrument :

BNA_P

ClientSampleId :

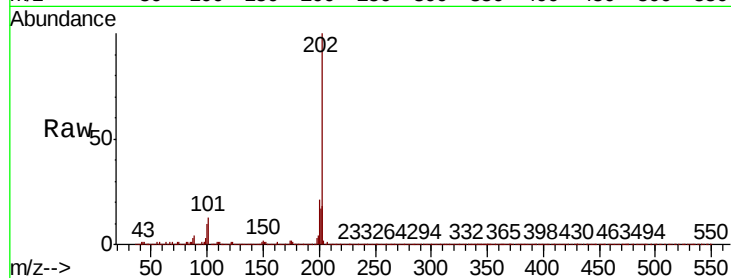
Tot Ion:202 Resp: 197926

Ion Ratio Lower Upper

202 100

200 21.1 17.5 26.3

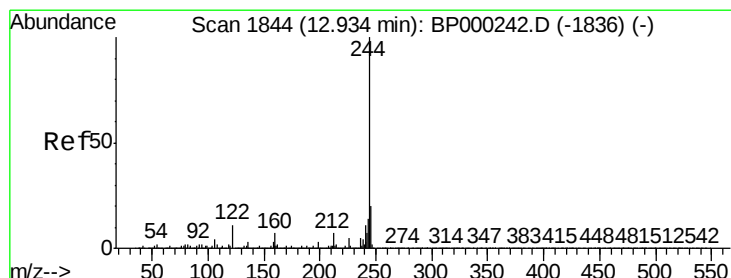
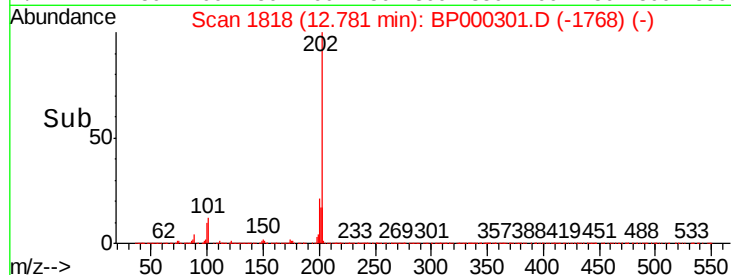
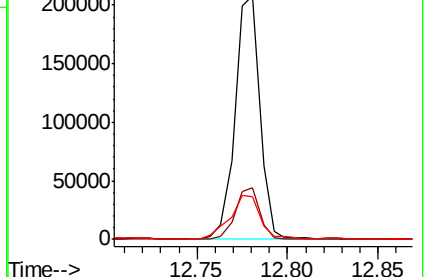
203 17.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 79.861 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

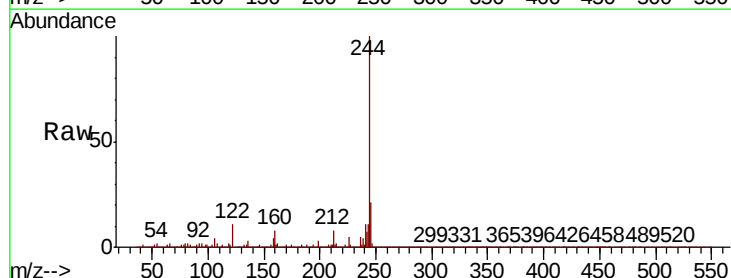
Tgt Ion:244 Resp: 3518744

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

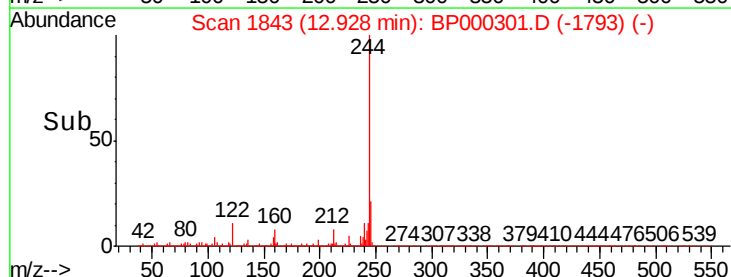
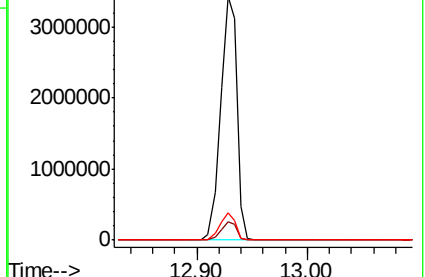
122 11.3 9.0 13.4

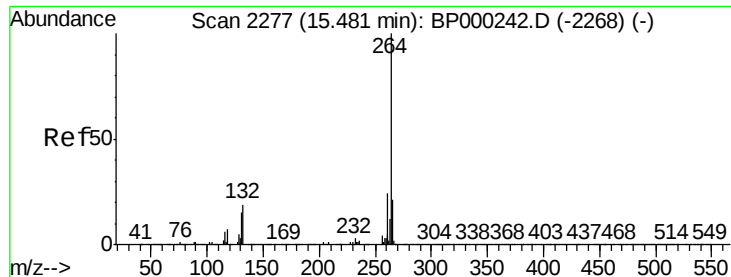


Abundance Ion 244.00 (243.70 to 244.70): E

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: BP000301.D

Acq: 18 Sep 2019 16:49

Instrument :

BNA_P

ClientSampleId :

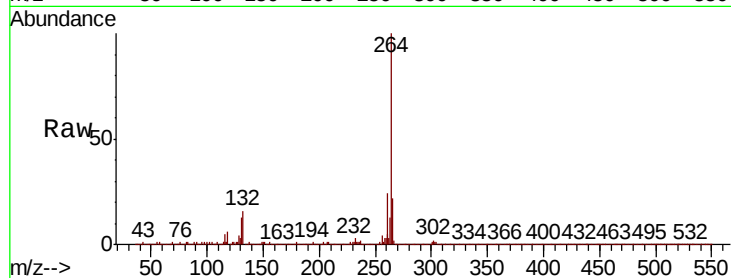
Tot Ion:264 Resp: 966552

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

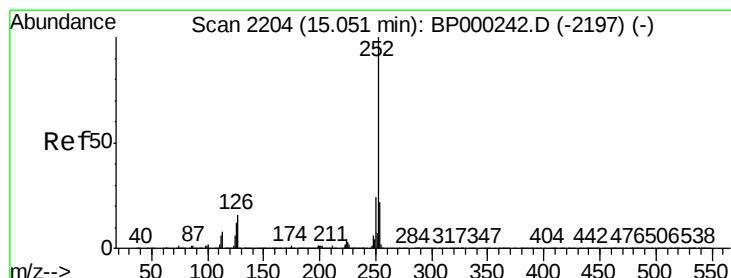
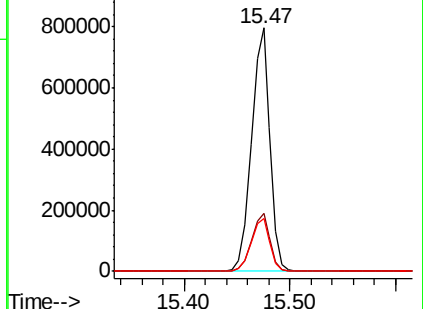
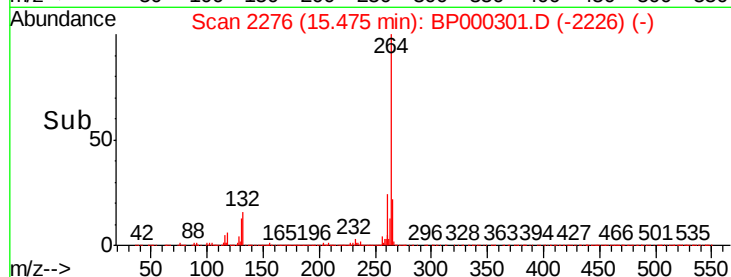
265 21.9 17.2 25.8



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



#88

Benzo(b)fluoranthene

Concen: 2.864 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

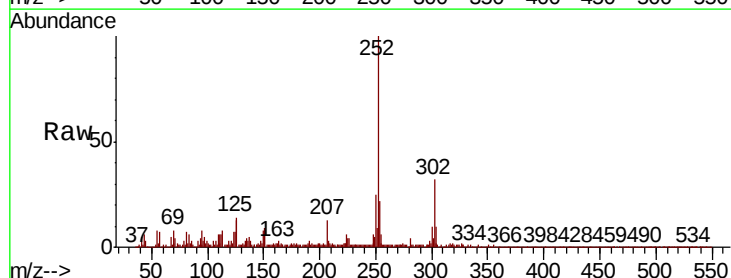
Tgt Ion:252 Resp: 165167

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

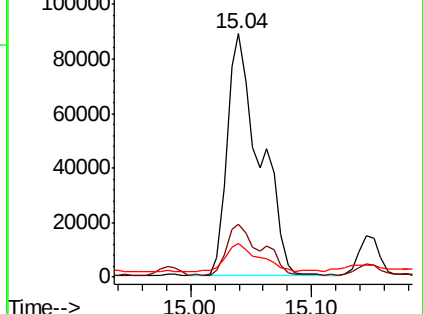
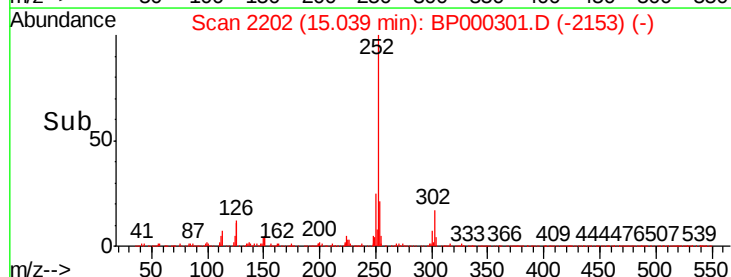
125 13.7 9.5 14.3

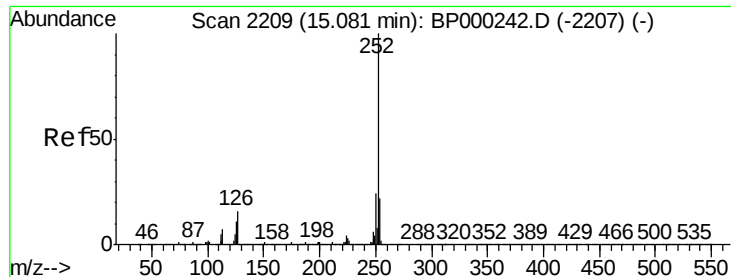


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.284 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BP000301.D

Acq: 18 Sep 2019 16:49

Instrument :

BNA_P

ClientSampleId :

Tot Ion:252 Resp: 165167

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 13.7 9.6 14.4

