

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
 Data File : BP000380.D
 Acq On : 23 Sep 2019 23:07
 Operator : HP/JU
 Sample : K4997-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 24 04:24:35 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	273270	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	840376	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	459216	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	831479	20.00	ng	0.00
76) Chrysene-d12	13.99	240	681357	20.00	ng	0.00
87) Perylene-d12	15.47	264	766058	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1957780	123.68	ng	0.02
7) Phenol-d6	6.43	99	2639466	136.03	ng	0.01
23) Nitrobenzene-d5	7.35	82	1232180	94.60	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	722854	158.70	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2663003	104.37	ng	0.00
79) Terphenyl-d14	12.93	244	3097572	95.37	ng	0.00

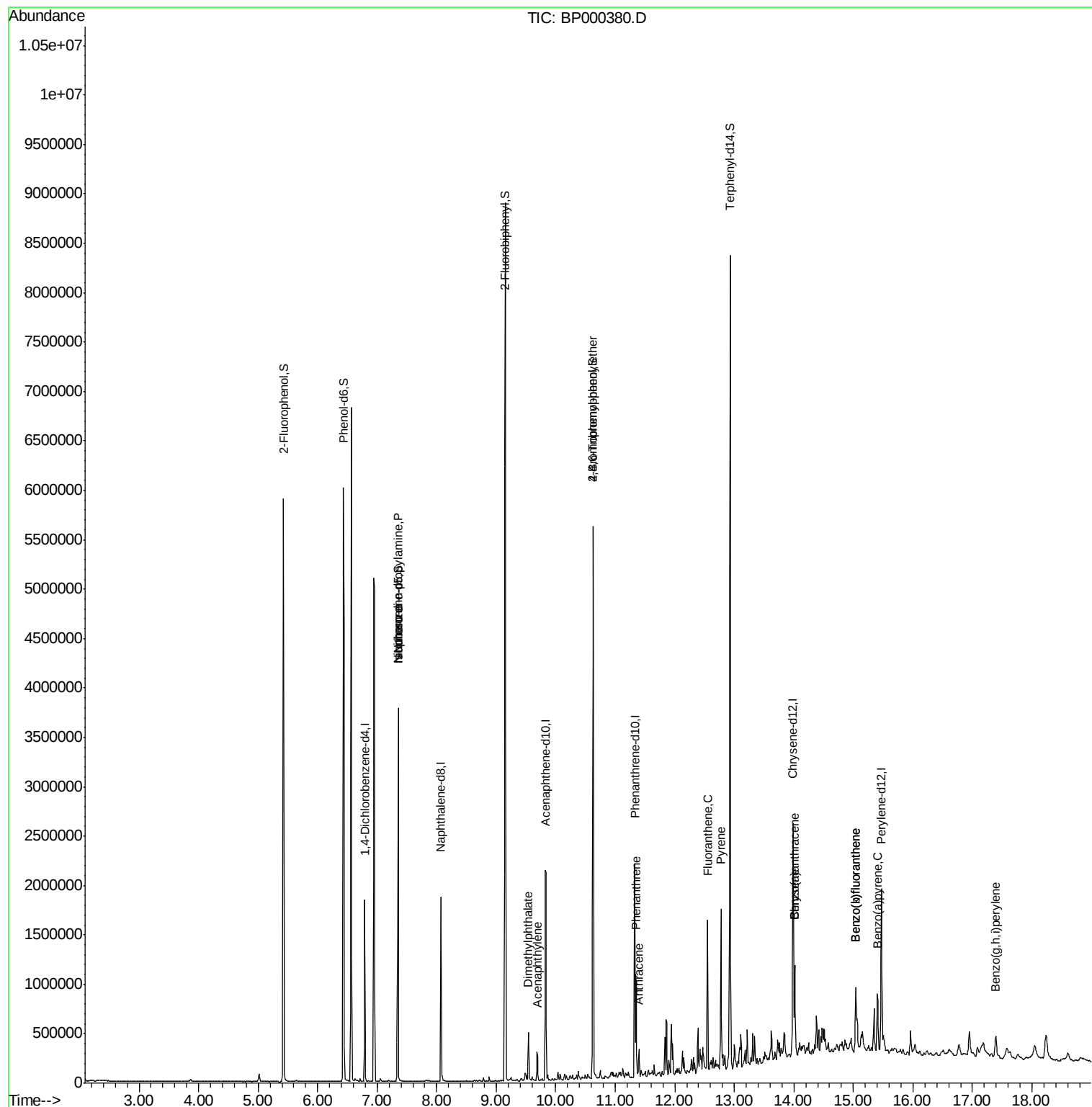
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	3723	Below Cal		# 2
19) n-Nitroso-di-n-propylamine	7.35	70	153996	15.011	ng	# 75
25) Isophorone	7.35	82	1232020	47.768	ng	# 63
49) Acenaphthylene	9.69	152	118276	2.953	ng	99
50) Dimethylphthalate	9.54	163	187750	6.001	ng	100
67) 4-Bromophenyl-phenylether	10.63	248	48276	5.134	ng	# 1
69) Atrazine	11.02	200	204	Below Cal		# 54
71) Phenanthrene	11.35	178	386406	9.274	ng	99
72) Anthracene	11.40	178	96419	2.248	ng	98
75) Fluoranthene	12.55	202	614748	13.740	ng	95
78) Pyrene	12.78	202	673409	13.210	ng	98
81) Benzo(a)anthracene	14.02	228	348802	8.104	ng	95
83) Chrysene	14.02	228	348802	8.254	ng	97
88) Benzo(b)fluoranthene	15.04	252	482439	10.557	ng	99
89) Benzo(k)fluoranthene	15.04	252	482439	12.102	ng	99
90) Benzo(a)pyrene	15.40	252	278804	6.705	ng	98
92) Benzo(a,h,i)perylene	17.39	276	175068	4.393	ng	95

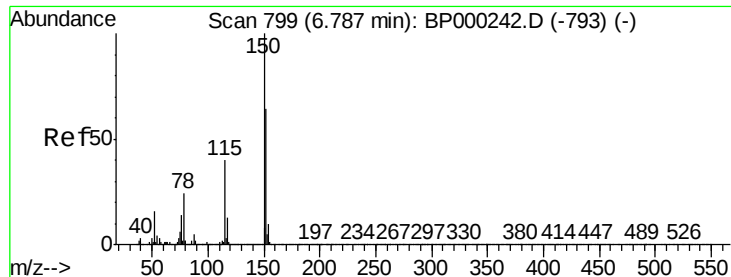
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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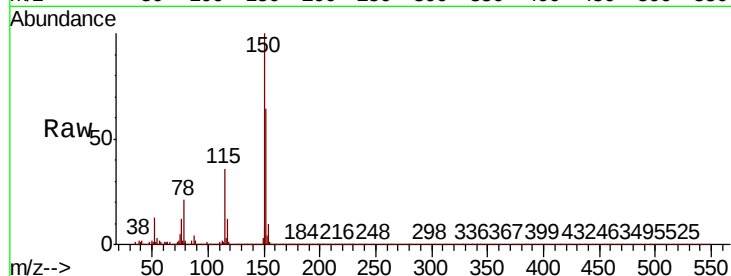


#1

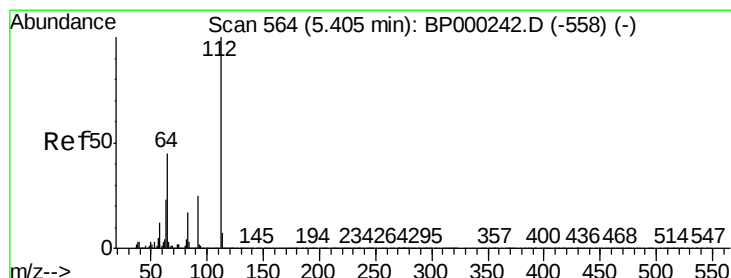
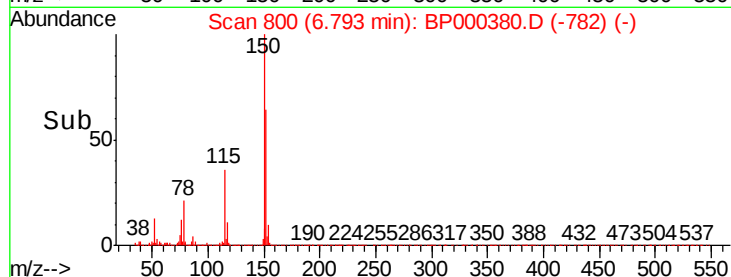
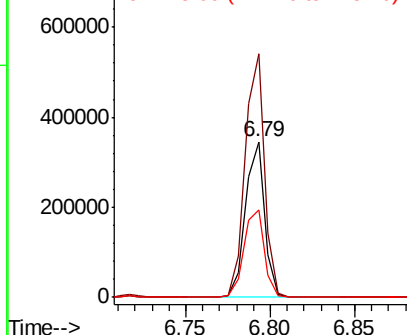
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 273270
Ion Ratio Lower Upper
152 100
150 156.7 125.2 187.8
115 56.4 49.7 74.5



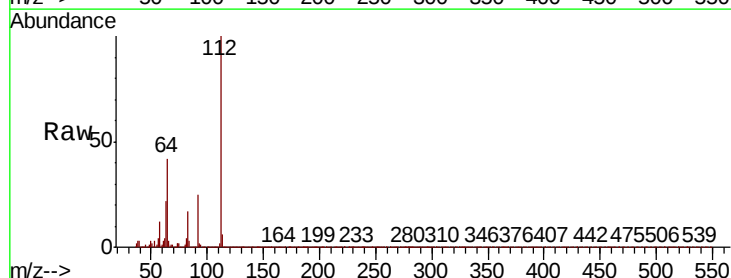
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



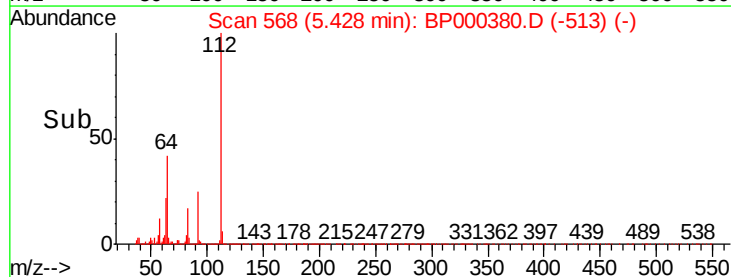
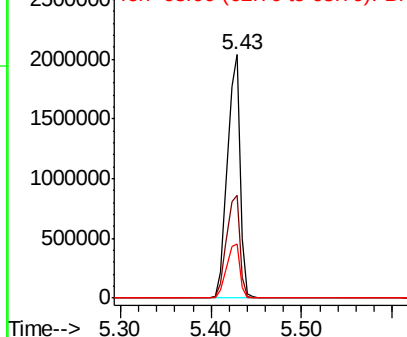
#5

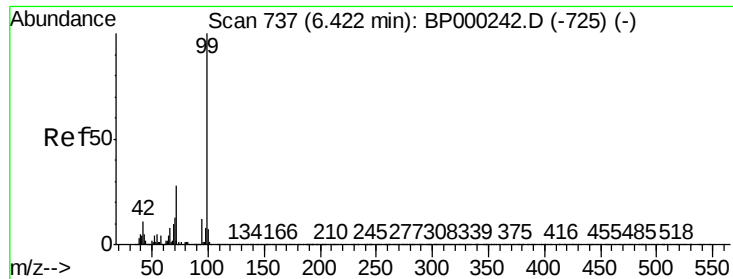
2-Fluorophenol
Concen: 123.680 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion:112 Resp: 1957780
Ion Ratio Lower Upper
112 100
64 42.2 36.2 54.4
63 22.3 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: 136.031 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Instrument :

BNA_P

ClientSampleId :

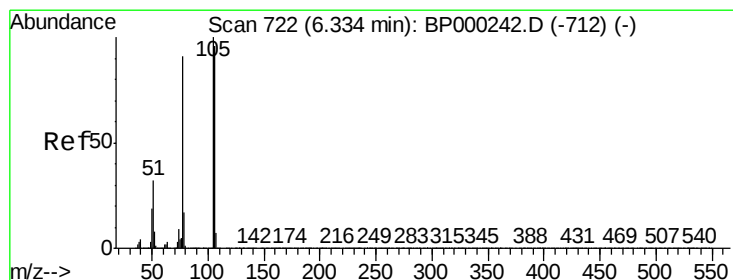
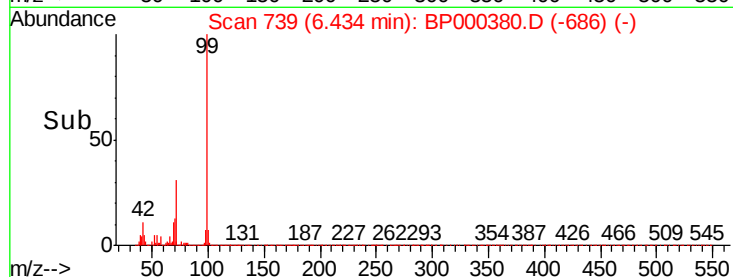
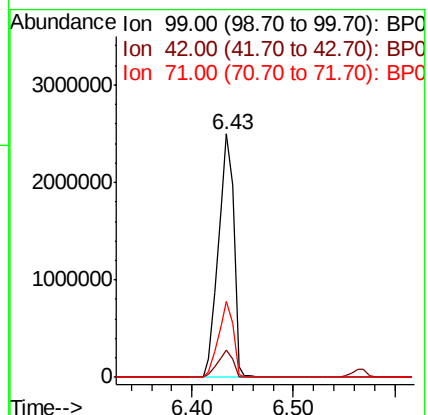
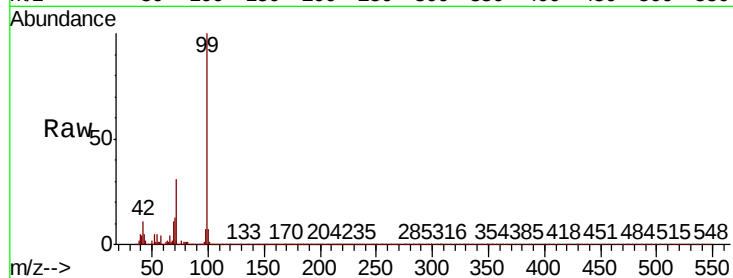
Tot Ion: 99 Resp: 2639466

Ion Ratio Lower Upper

99 100

42 11.4 8.5 12.7

71 31.1 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.43 min Scan# 739

Delta R.T. 0.10 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

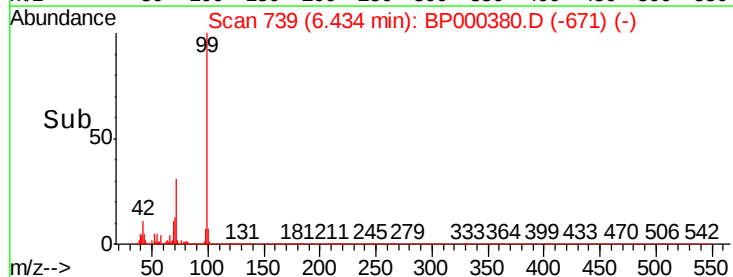
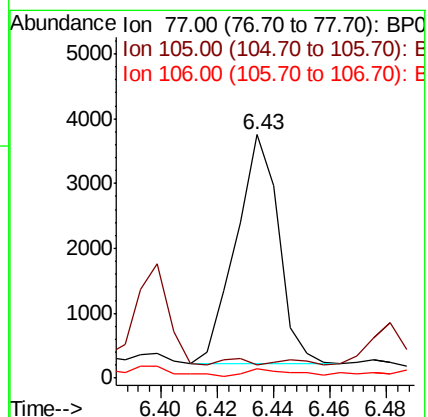
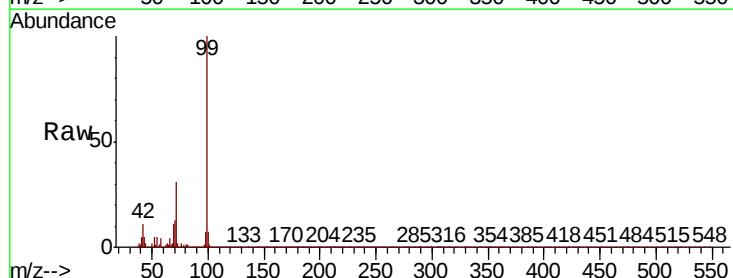
Tgt Ion: 77 Resp: 3723

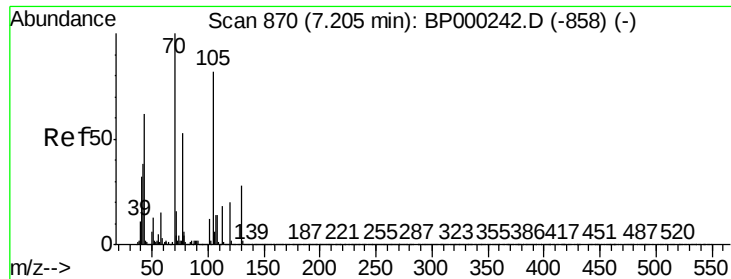
Ion Ratio Lower Upper

77 100

105 5.4 89.6 129.6#

106 4.0 84.6 124.6#

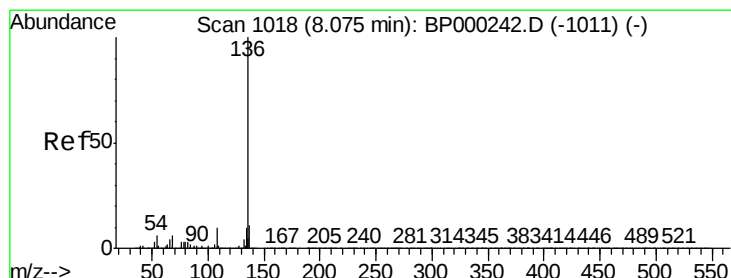
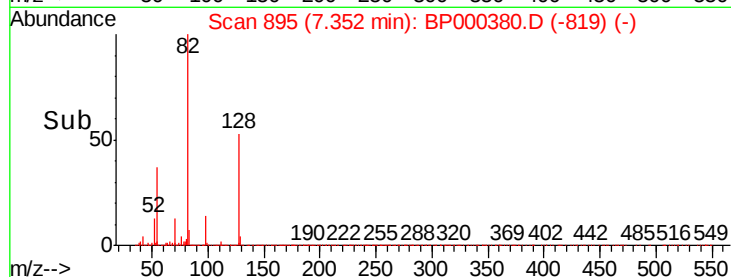
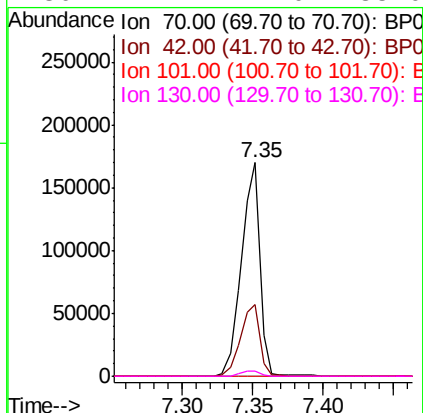
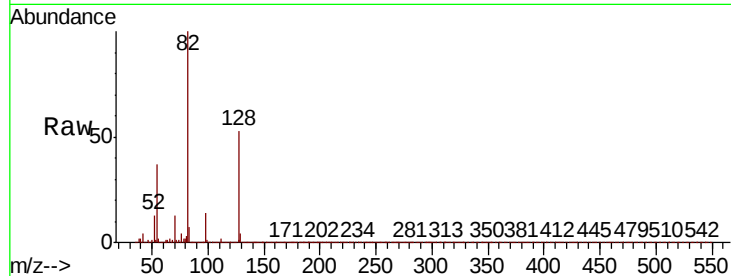




#19
n-Nitroso-di-n-propylamine
Concen: 15.011 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.15 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

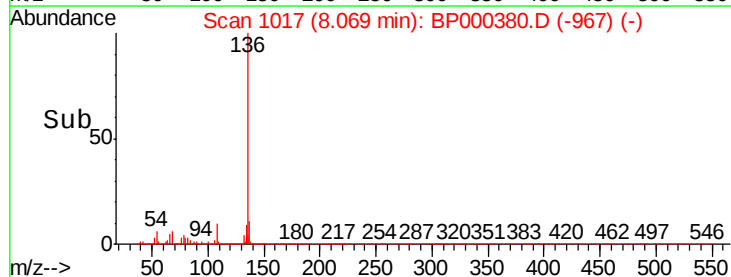
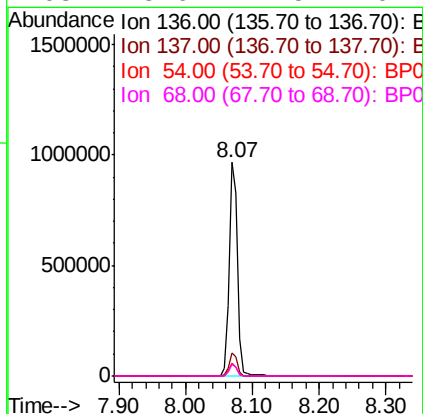
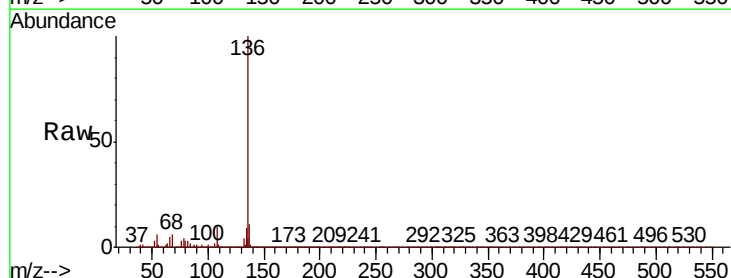
Instrument :
BNA_P
ClientSampled :

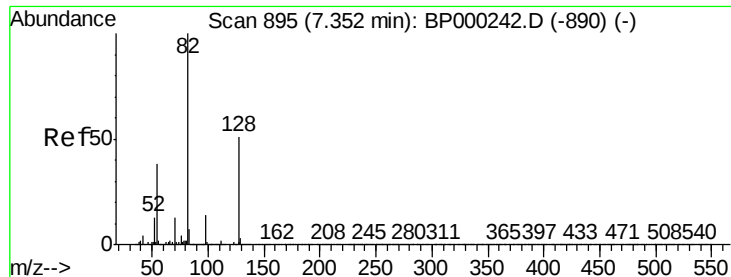
Tot Ion	Ratio	Lower	Upper
70	100		
42	33.6	30.7	46.1
101	0.0	9.6	14.4#
130	2.7	22.0	33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	5.9	4.5	6.7
68	5.6	4.5	6.7



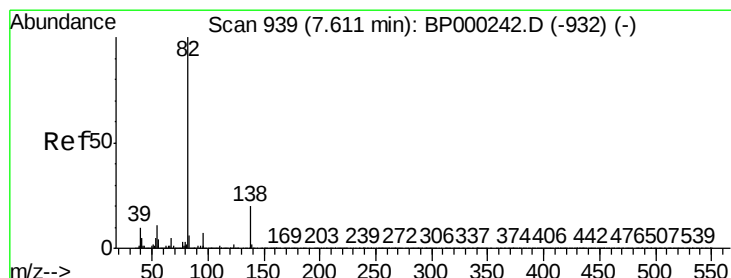
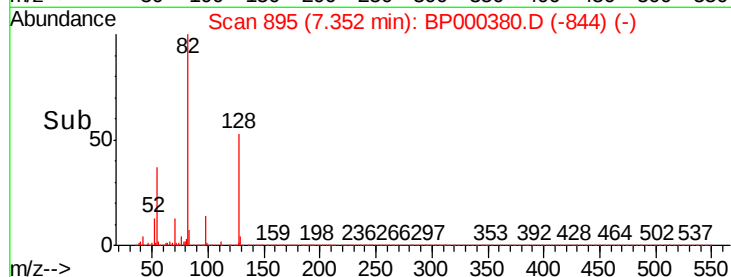
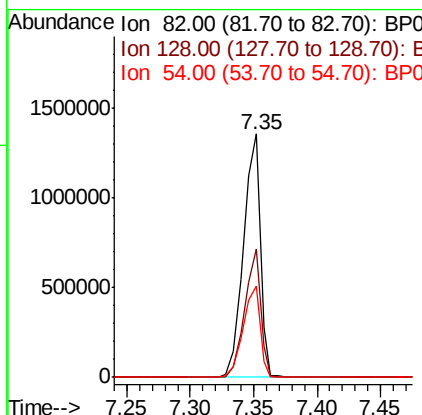
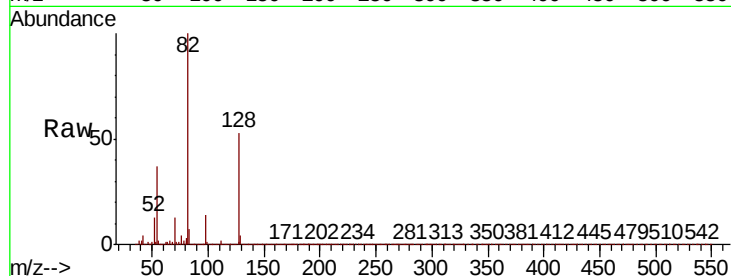


#23
 Nitrobenzene-d5
 Concen: 94.600 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

Instrument :
 BNA_P
 ClientSampled :

Tot Ion: 82 Resp: 1232180

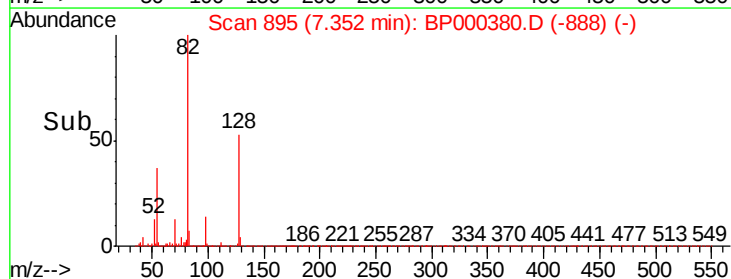
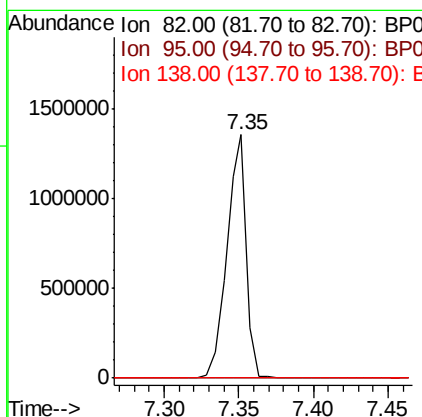
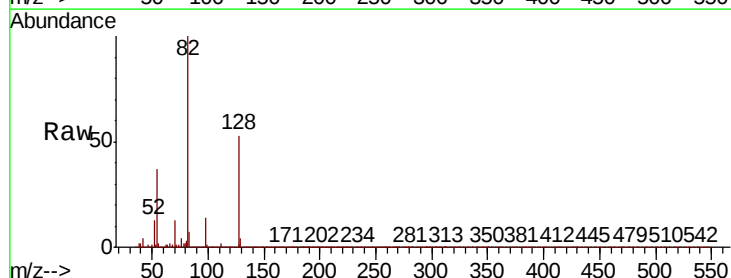
Ion	Ratio	Lower	Upper
82	100		
128	52.7	40.7	61.1
54	37.3	30.1	45.1

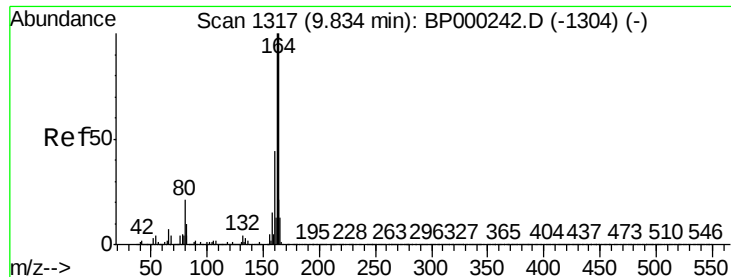


#25
 Isophorone
 Concen: 47.768 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

Tgt Ion: 82 Resp: 1232020

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.9	8.9#
138	0.0	15.9	23.9#

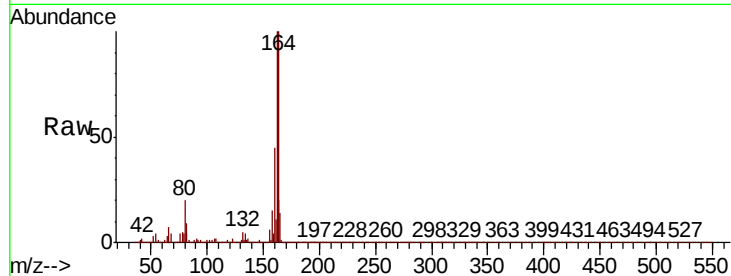




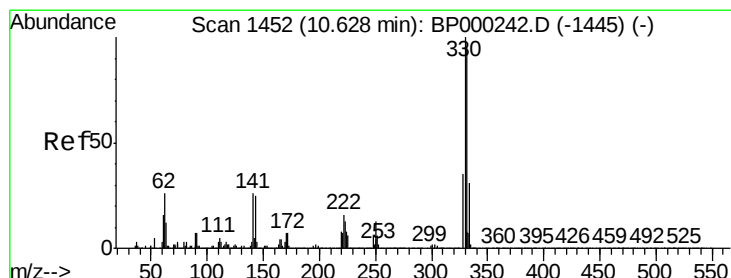
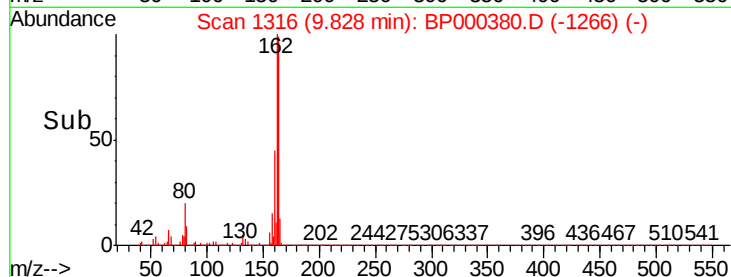
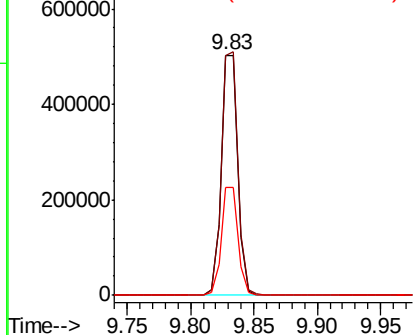
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Instrument :
BNA_P
ClientSampleId :

Tot Ion:164 Resp: 459216
Ion Ratio Lower Upper
164 100
162 100.0 79.9 119.9
160 45.2 35.6 53.4

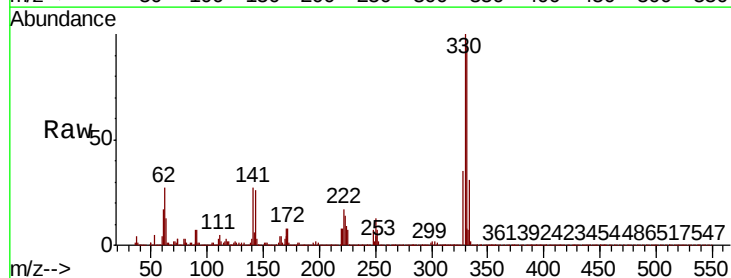


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

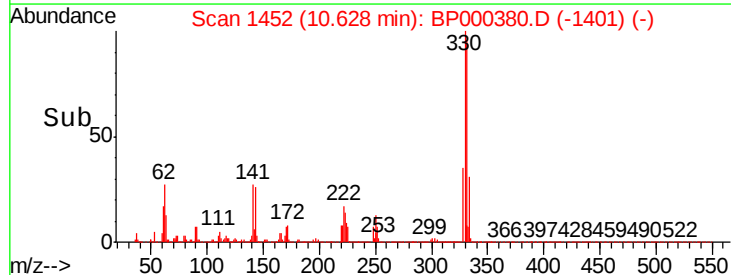
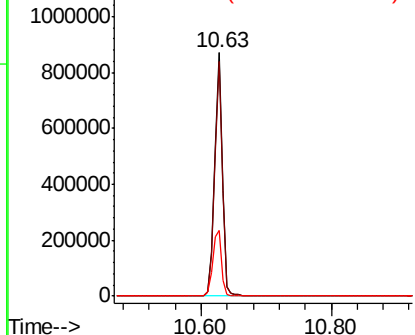


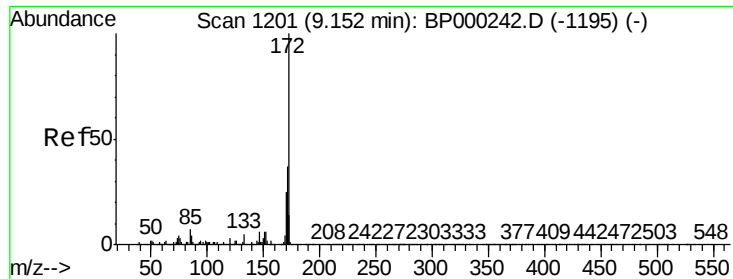
#42
2,4,6-Tribromophenol
Concen: 158.701 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion:330 Resp: 722854
Ion Ratio Lower Upper
330 100
332 96.7 76.6 115.0
141 30.1 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

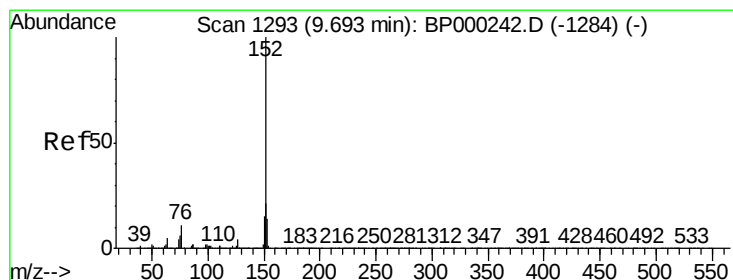
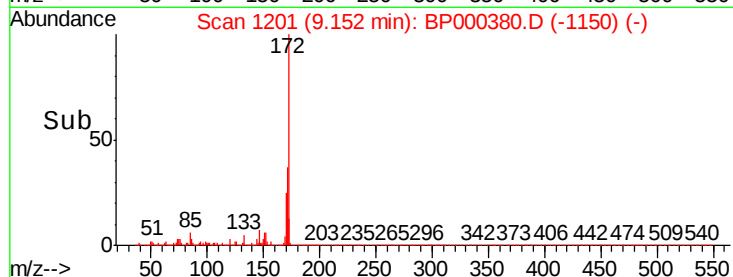
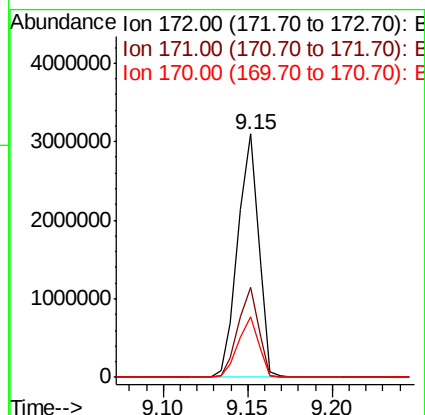
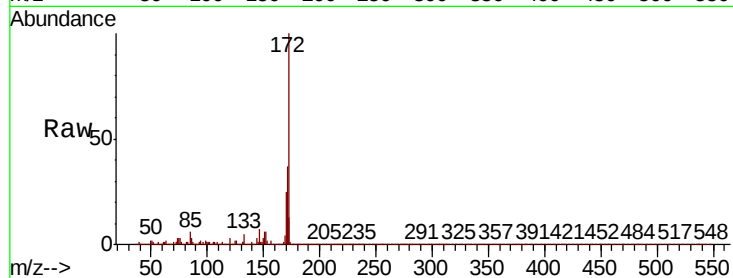




#45
2-Fluorobiphenyl
Concen: 104.371 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

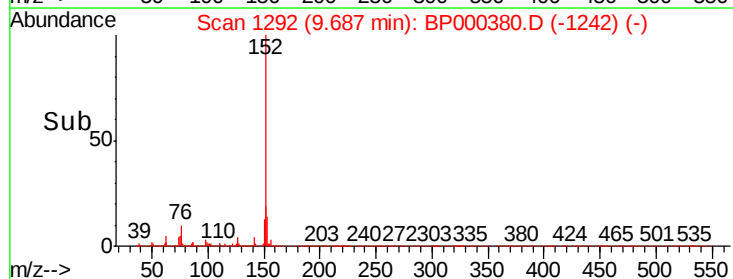
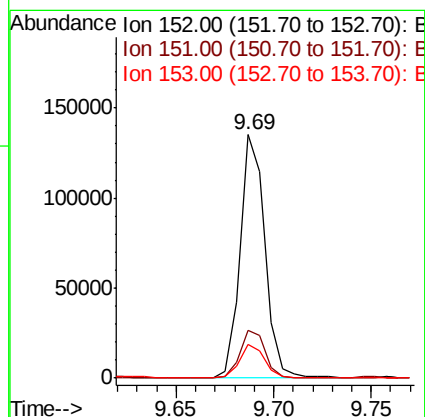
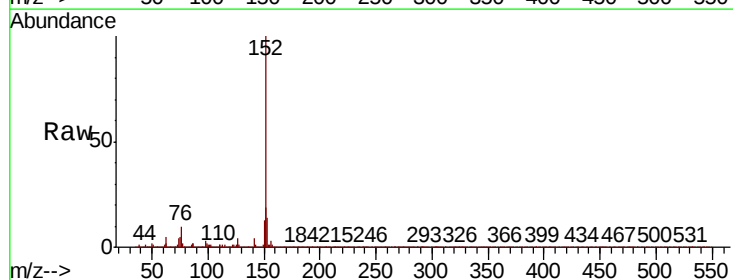
Instrument :
BNA_P
ClientSampleId :

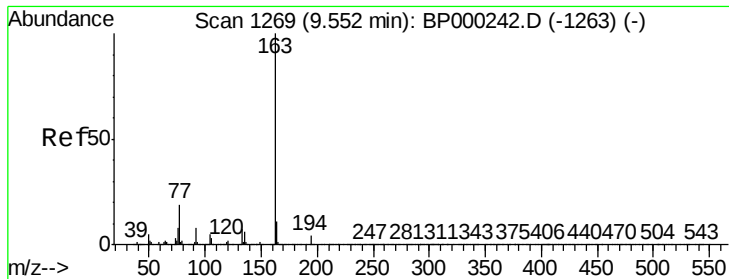
Tot Ion:172 Resp: 2663003
Ion Ratio Lower Upper
172 100
171 37.2 29.8 44.6
170 24.7 19.8 29.6



#49
Acenaphthylene
Concen: 2.953 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion:152 Resp: 118276
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 13.7 11.0 16.4

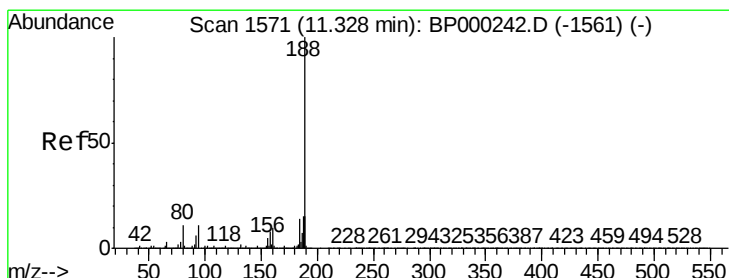
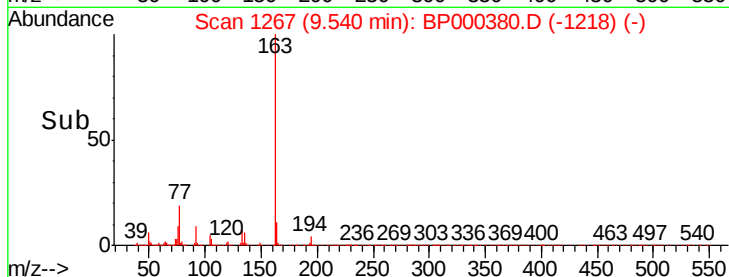
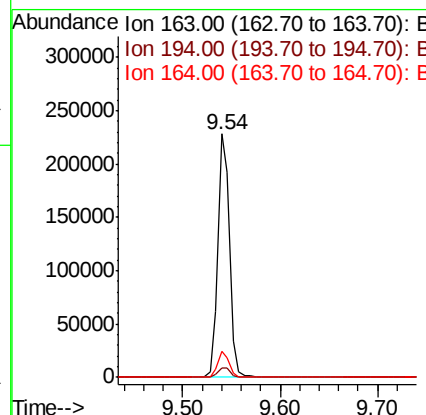
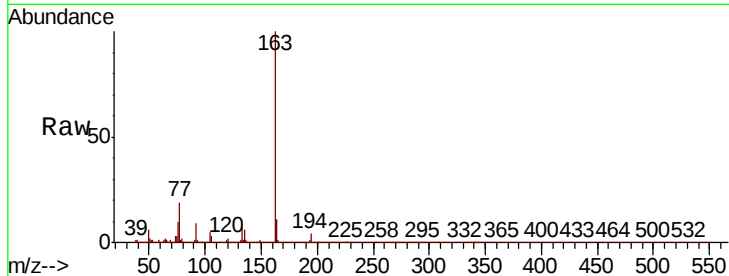




#50
Dimethylphthalate
Concen: 6.001 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

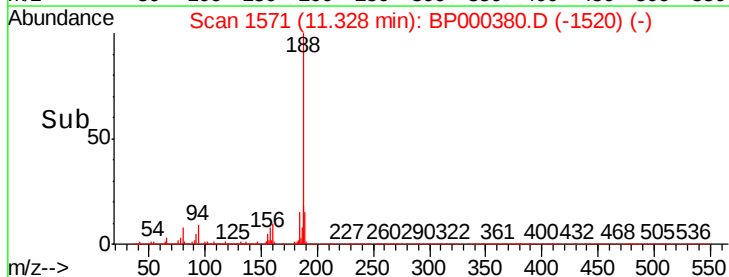
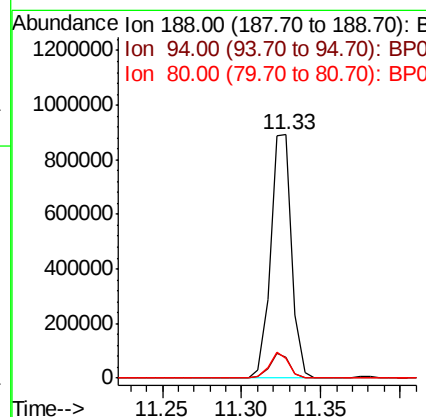
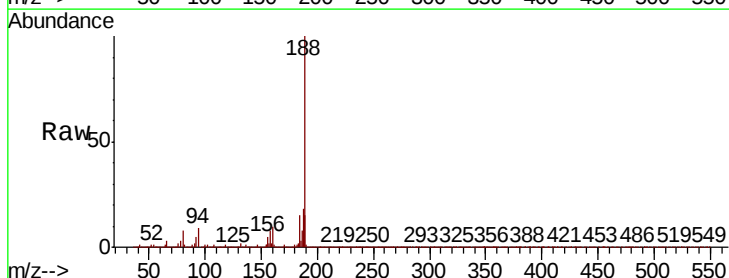
Instrument :
BNA_P
ClientSampleId :

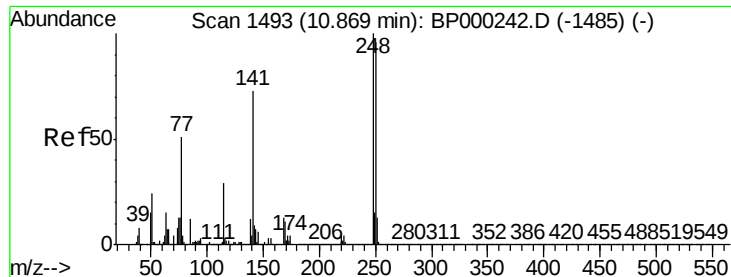
Tot Ion:163 Resp: 187750
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.6 8.5 12.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion:188 Resp: 831479
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 8.3 8.6 13.0#

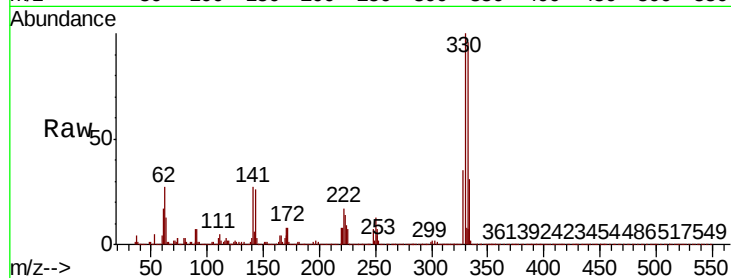




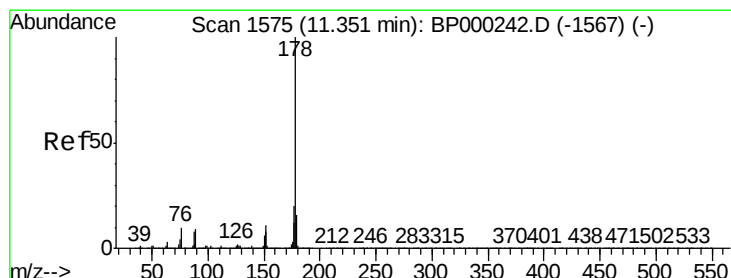
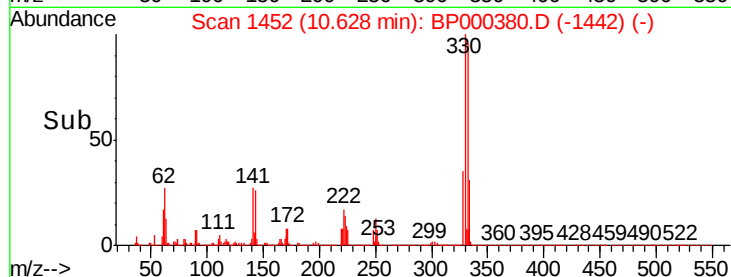
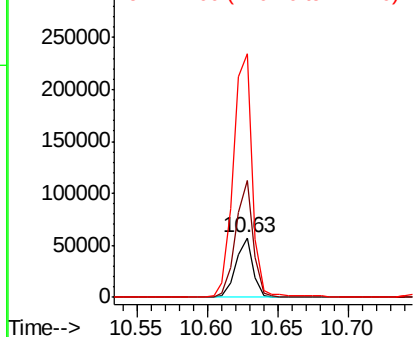
#67
4-Bromophenyl-phenylether
Concen: 5.134 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Instrument :
BNA_P
ClientSampleId :

Tot Ion:248 Resp: 48276
Ion Ratio Lower Upper
248 100
250 196.4 77.0 115.4#
141 409.0 58.5 87.7#

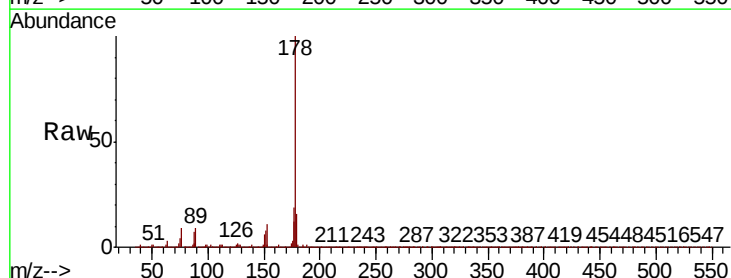


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

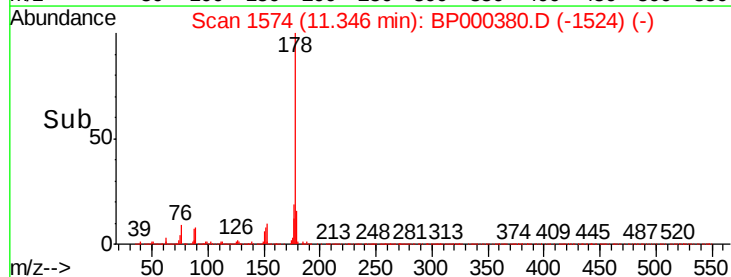
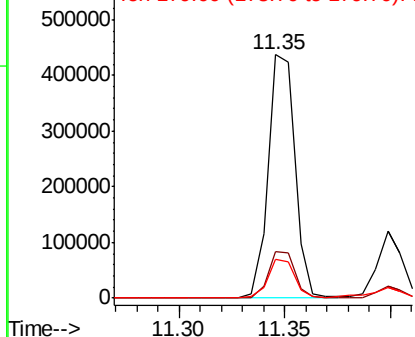


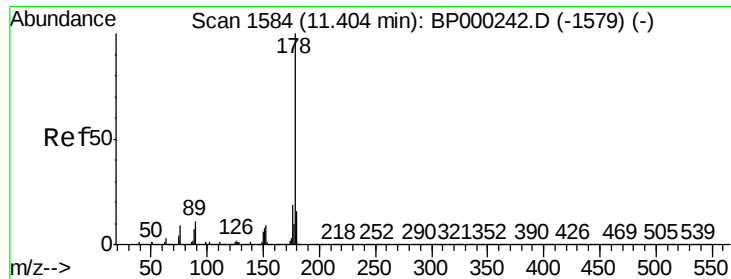
#71
Phenanthrene
Concen: 9.274 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion:178 Resp: 386406
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 16.0 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.248 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Instrument :

BNA_P

ClientSampled :

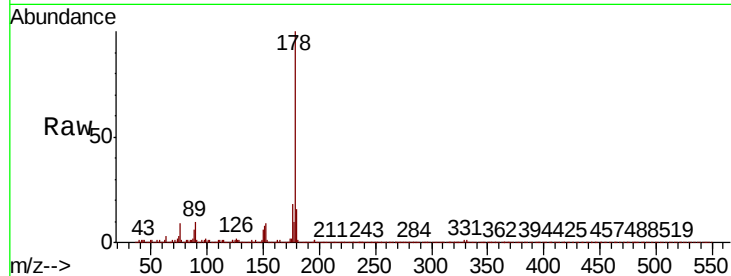
Tot Ion:178 Resp: 96419

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.0

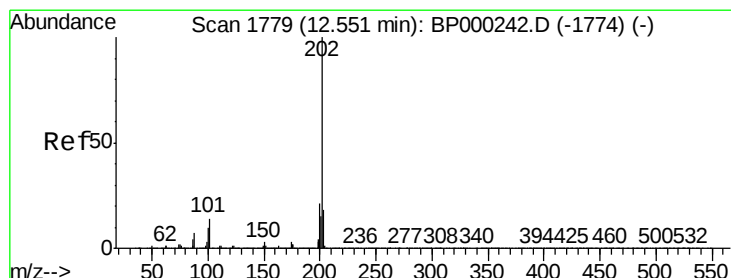
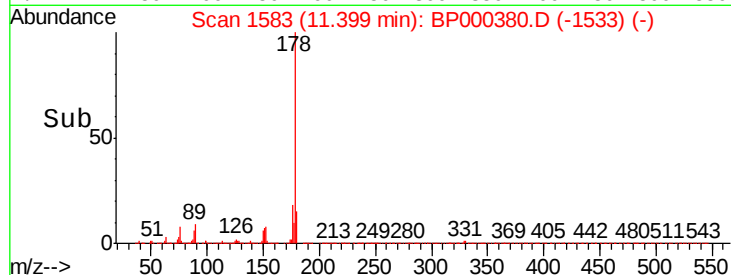
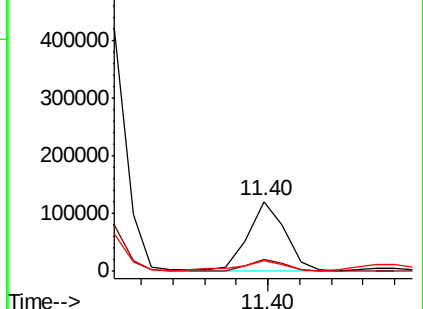
179 16.1 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 13.740 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

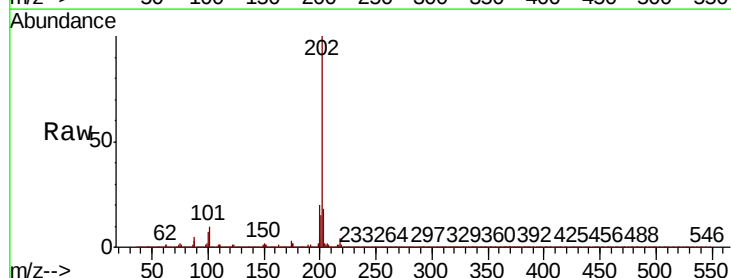
Tgt Ion:202 Resp: 614748

Ion Ratio Lower Upper

202 100

101 9.9 0.0 33.9

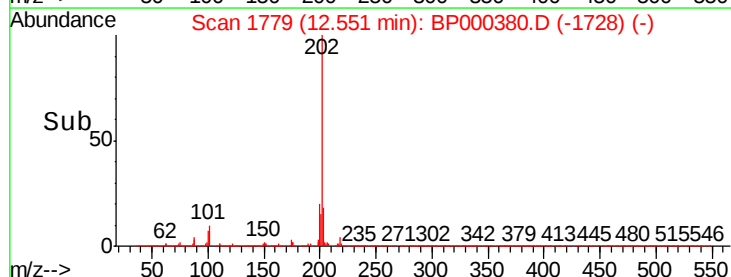
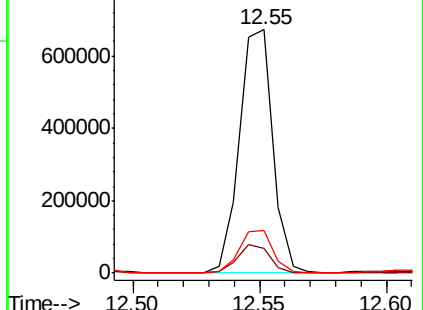
203 17.6 0.0 38.0

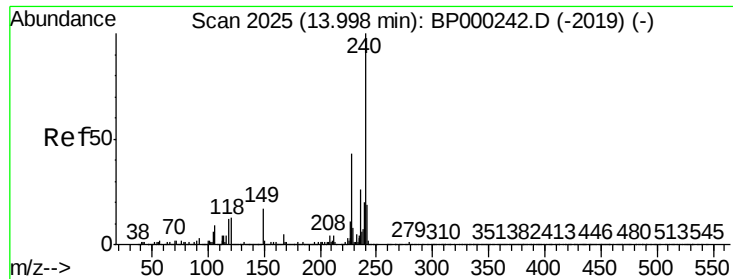


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

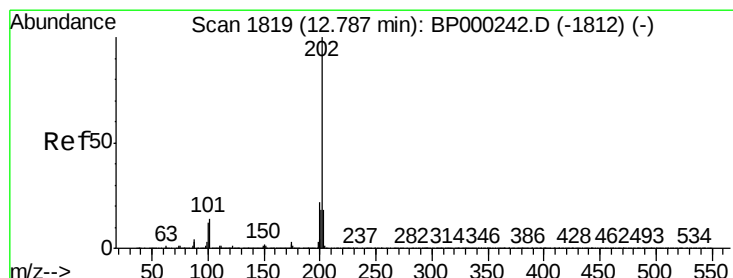
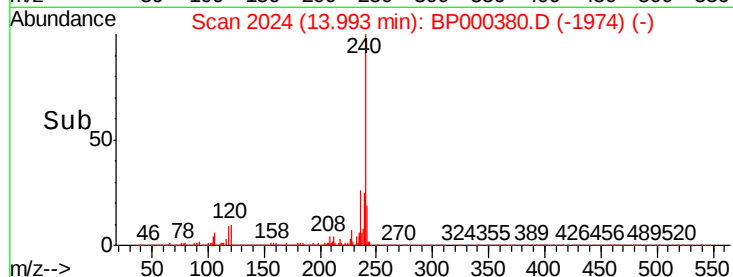
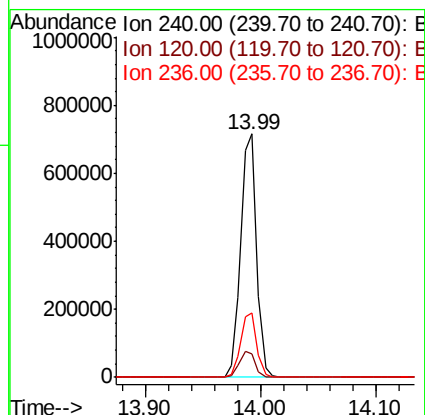
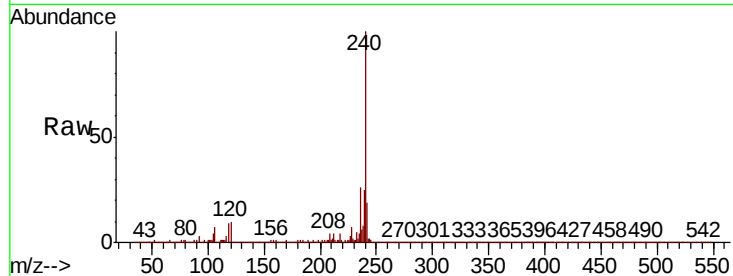




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

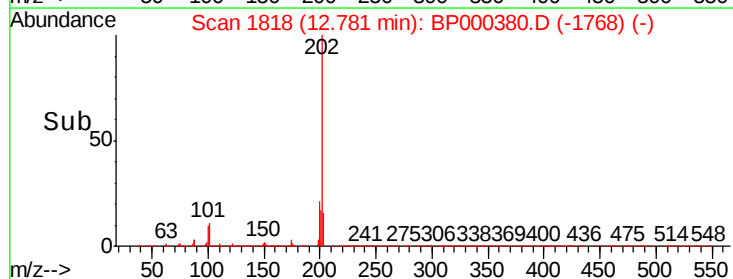
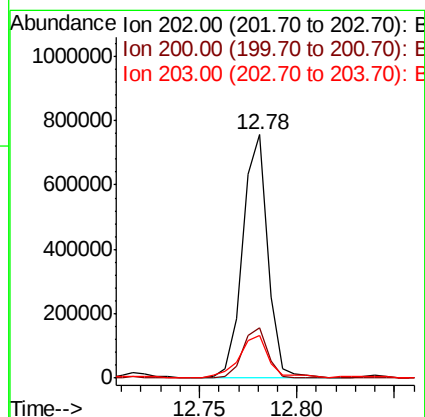
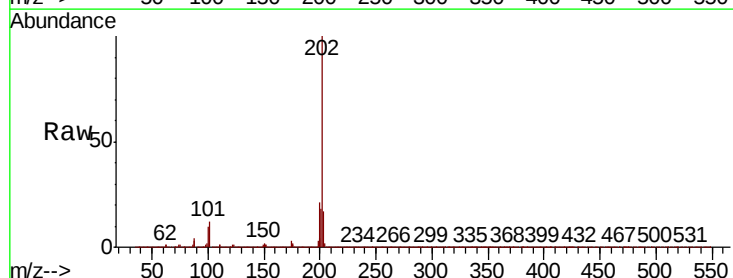
Instrument :
 BNA_P
 ClientSampleID :

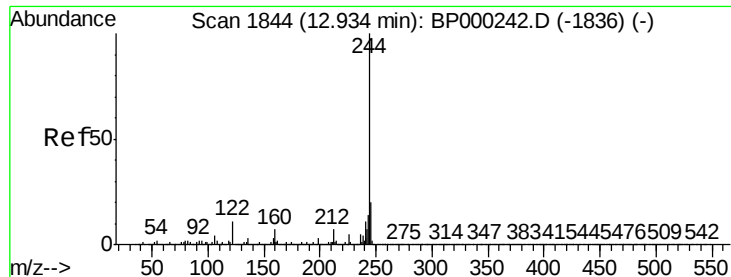
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	10.4	15.6#
236	26.4	21.0	31.6



#78
 Pyrene
 Concen: 13.210 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.5	26.3
203	17.3	14.3	21.5





#79

Terphenyl-d14

Concen: 95.372 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Instrument :

BNA_P

ClientSampleId :

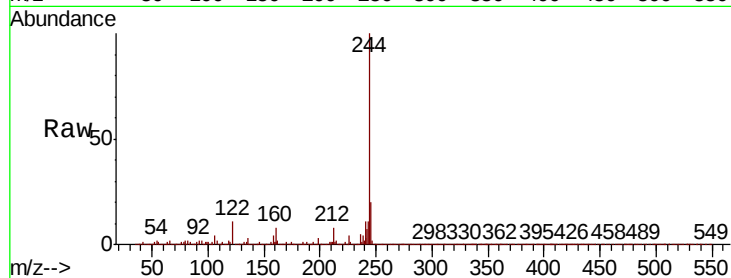
Tot Ion:244 Resp: 3097572

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

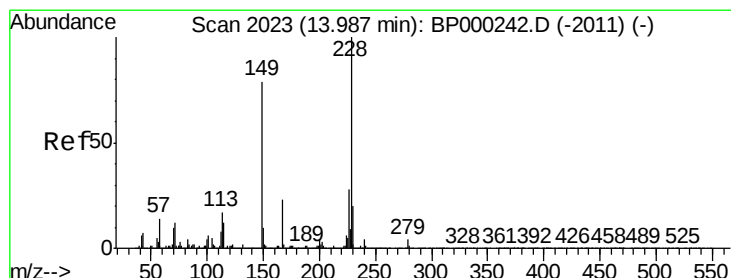
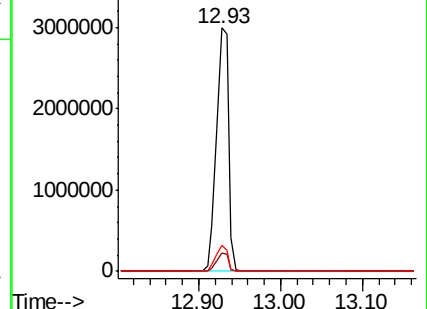
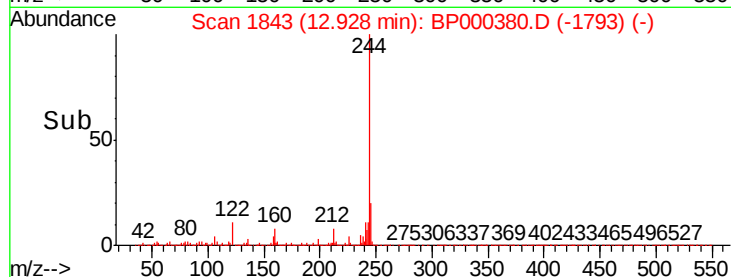
122 10.7 9.0 13.4



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



#81

Benzo(a)anthracene

Concen: 8.104 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.03 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

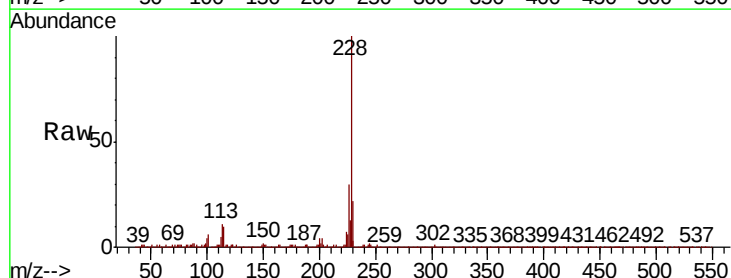
Tgt Ion:228 Resp: 348802

Ion Ratio Lower Upper

228 100

226 30.3 22.2 33.4

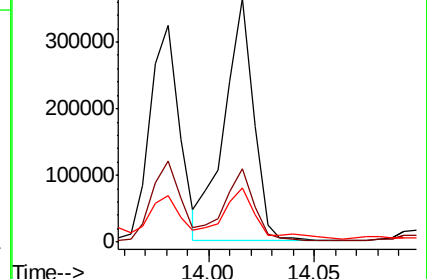
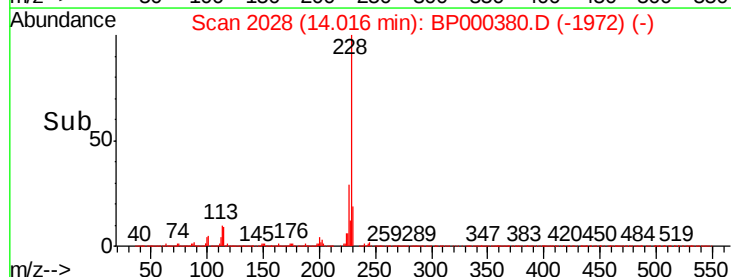
229 22.2 16.0 24.0

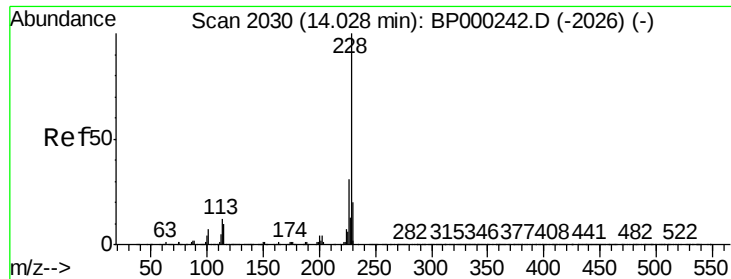


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.254 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Instrument :

BNA_P

ClientSampled :

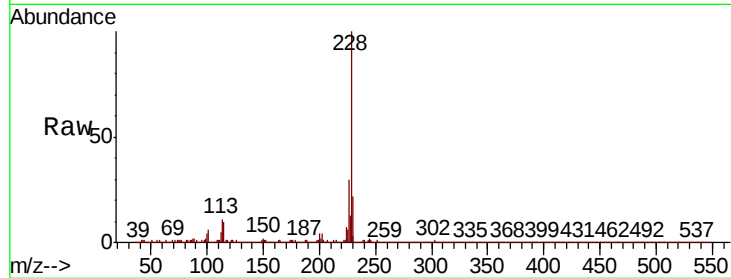
Tot Ion:228 Resp: 348802

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

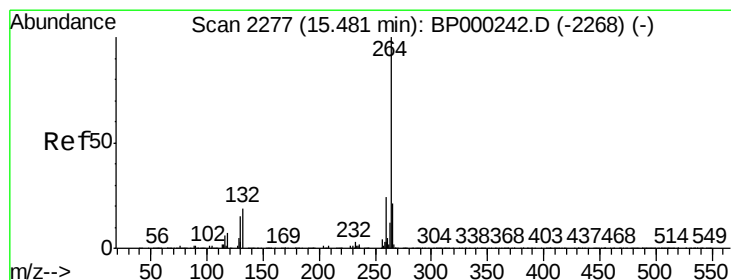
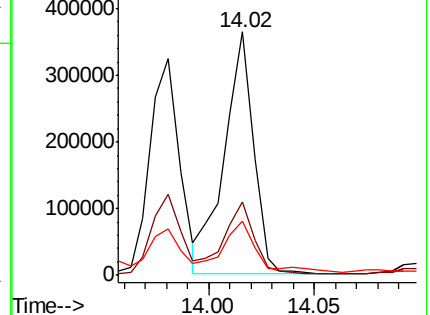
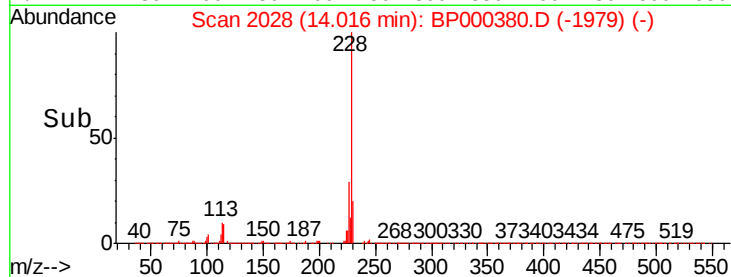
229 22.2 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

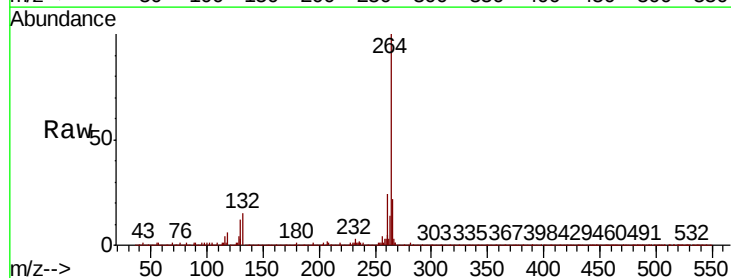
Tgt Ion:264 Resp: 766058

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

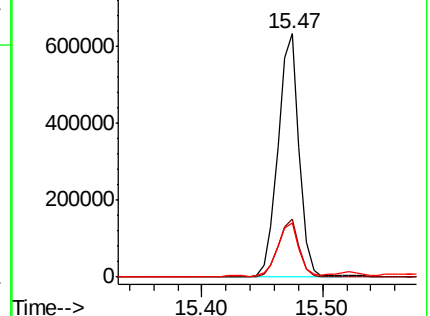
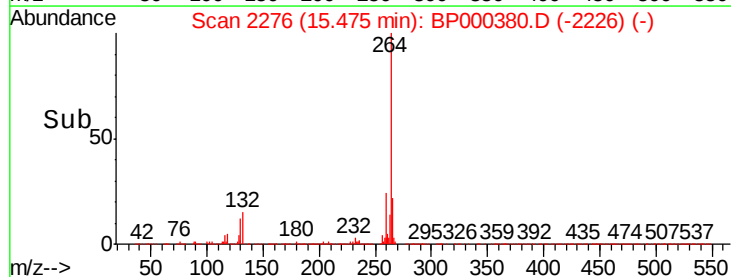
265 22.2 17.2 25.8

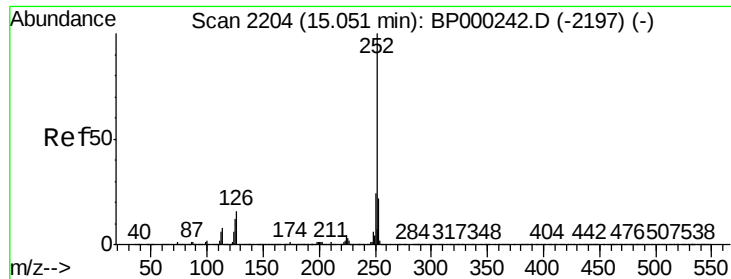


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

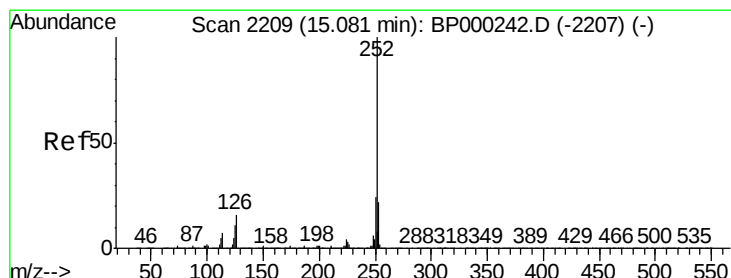
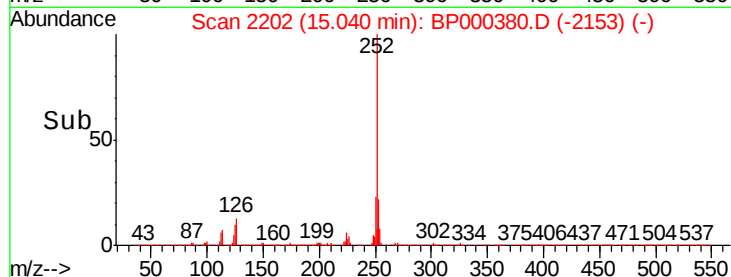
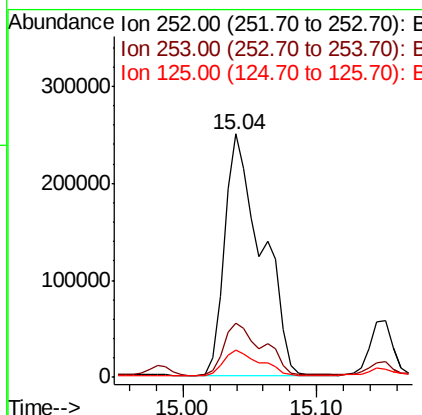
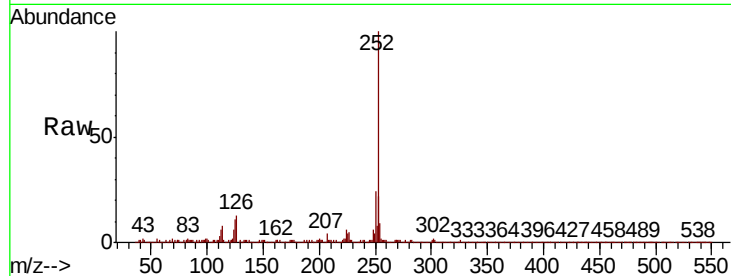




#88
Benzo(b)fluoranthene
Concen: 10.557 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

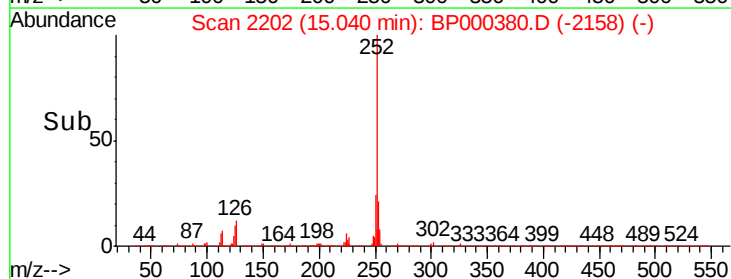
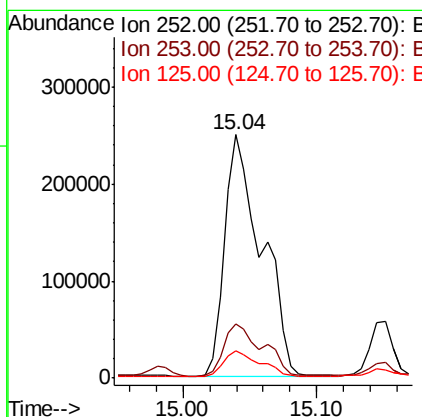
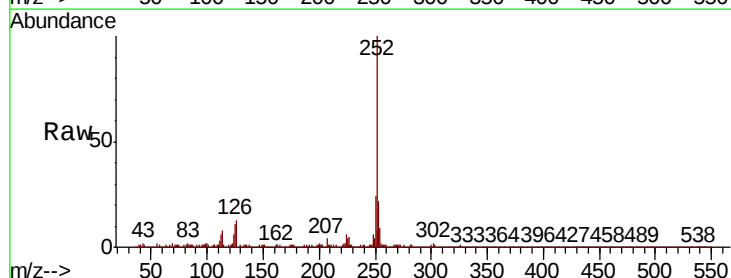
Instrument :
BNA_P
ClientSampleId :

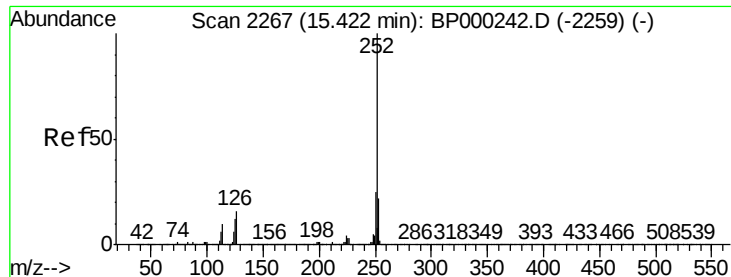
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.0	9.5	14.3



#89
Benzo(k)fluoranthene
Concen: 12.102 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	11.0	9.6	14.4





#90

Benzo(a)pyrene

Concen: 6.705 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.02 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Instrument :

BNA_P

ClientSampleId :

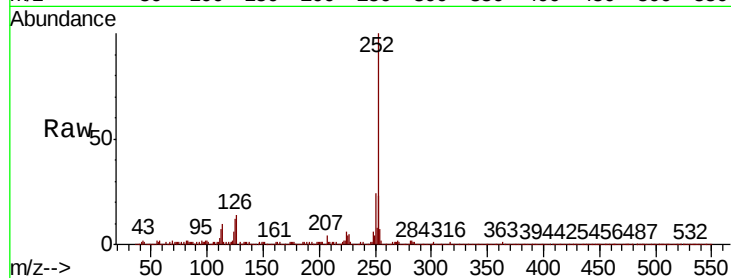
Tot Ion:252 Resp: 278804

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

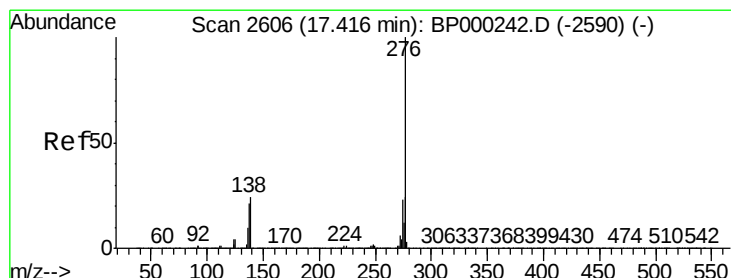
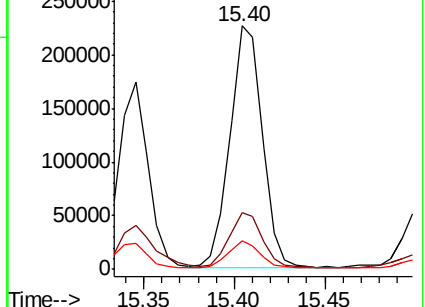
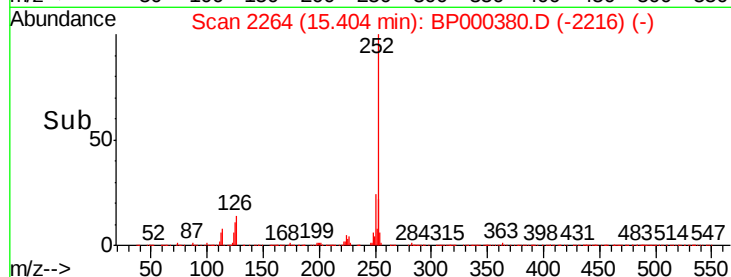
125 11.7 10.0 15.0



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



#92

Benzo(g,h,i)perylene

Concen: 4.393 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

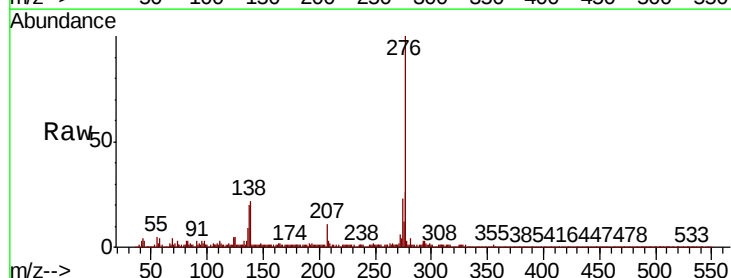
Tgt Ion:276 Resp: 175068

Ion Ratio Lower Upper

276 100

277 26.1 19.1 28.7

138 22.1 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

