

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000690.D
 Acq On : 13 Oct 2019 00:25
 Operator : JU
 Sample : K5348-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 14 04:40:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

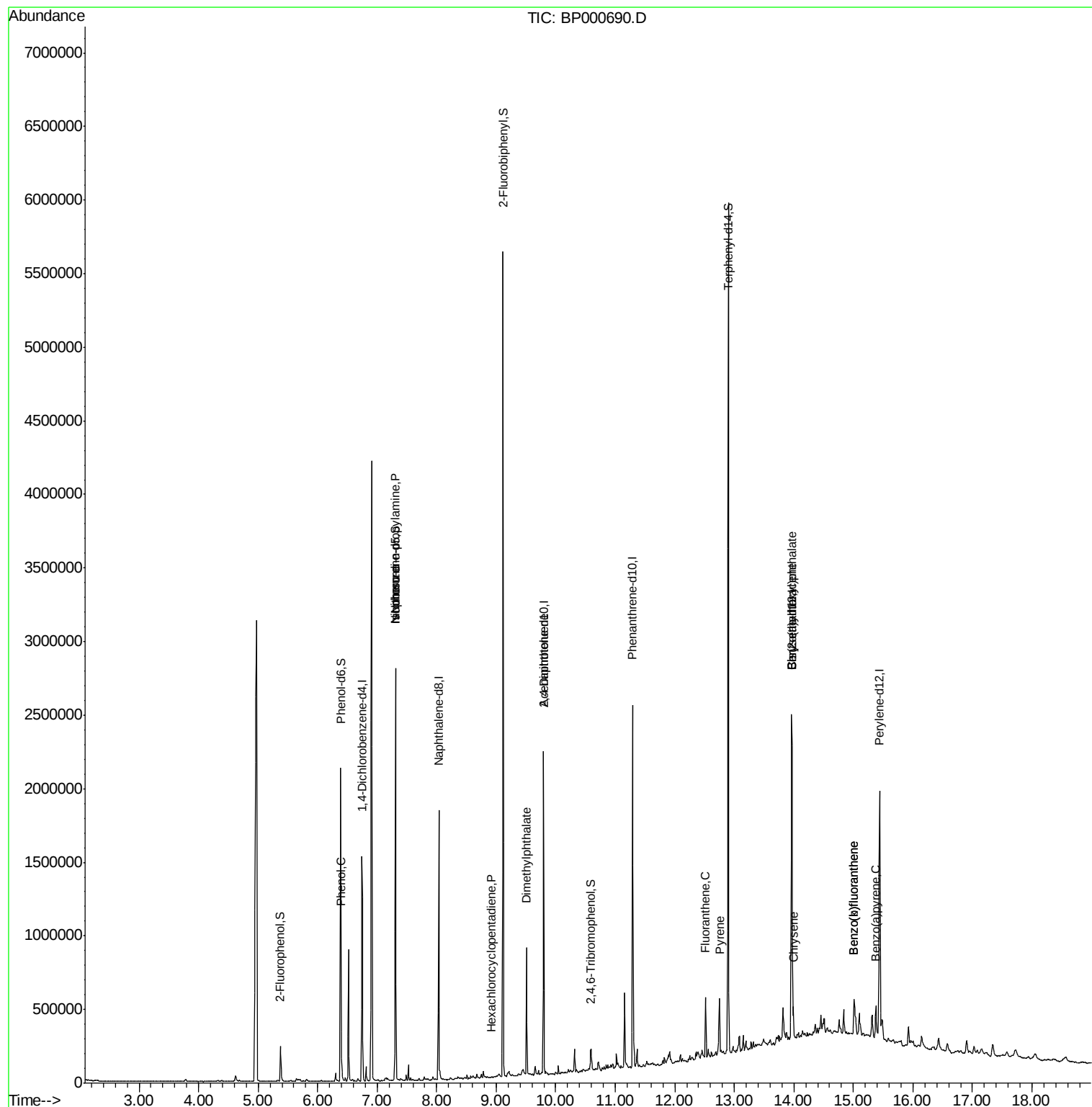
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	237288	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	837449	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	452416	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	814113	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	683786	20.00	ng	-0.02
87) Perylene-d12	15.44	264	767982	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	83534	5.66	ng	-0.02
7) Phenol-d6	6.39	99	754443	42.41	ng	-0.02
23) Nitrobenzene-d5	7.31	82	910024	66.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	16485	3.42	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1692662	60.54	ng	-0.02
79) Terphenyl-d14	12.90	244	1878114	55.61	ng	-0.02
Target Compounds						
10) Phenol	6.40	94	73054	4.011	ng	Qvalue 92
19) n-Nitroso-di-n-propylamine	7.31	70	114500	13.964	ng	# 74
25) Isophorone	7.31	82	909450	37.371	ng	# 61
41) Hexachlorocyclopentadiene	8.92	237	12	7.299	ng	# 31
50) Dimethylphthalate	9.51	163	308183	9.803	ng	99
57) 2,4-Dinitrotoluene	9.80	165	59493	6.545	ng	# 31
75) Fluoranthene	12.52	202	159684	3.477	ng	97
78) Pyrene	12.75	202	167105	3.543	ng	99
81) Benzo(a)anthracene	13.96	228	93417	2.239	ng	# 84
83) Chrysene	13.99	228	95626	2.335	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	66280	2.564	ng	98
88) Benzo(b)fluoranthene	15.01	252	175900	4.037	ng	# 92
89) Benzo(k)fluoranthene	15.01	252	175900	4.241	ng	# 94
90) Benzo(a)pyrene	15.37	252	101500	2.499	ng	# 94

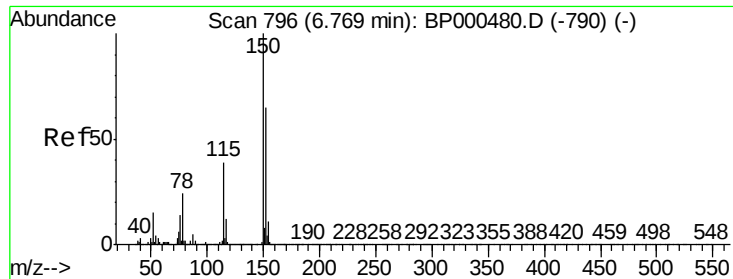
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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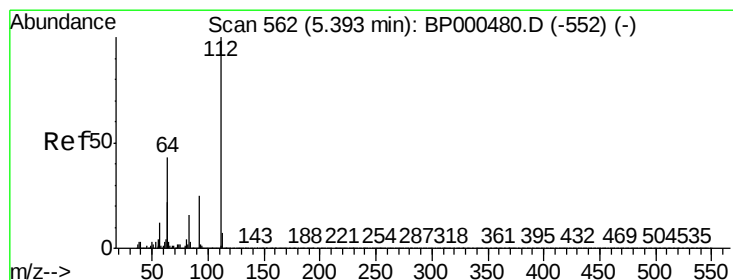
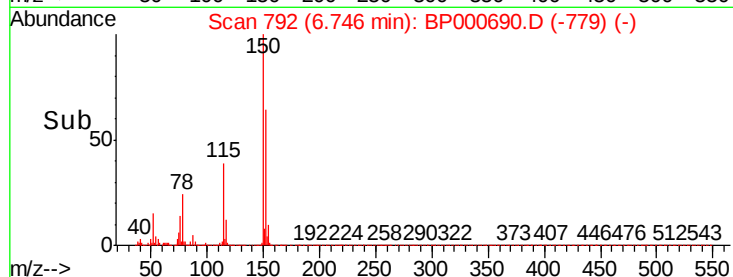
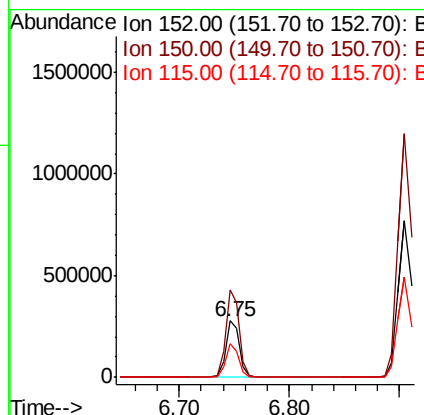
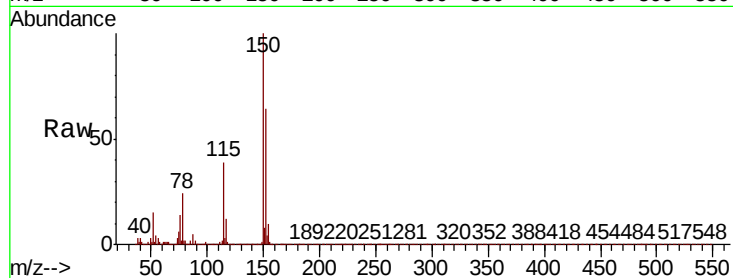


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.02 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Instrument :
BNA_P
ClientSampleId :

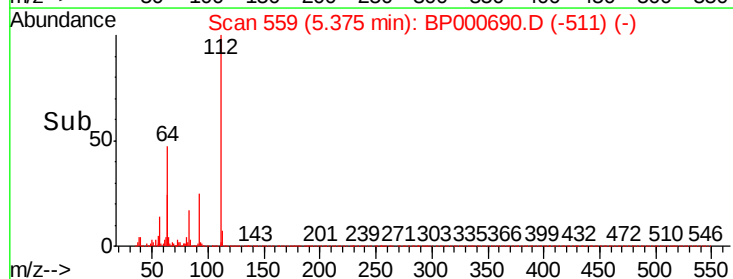
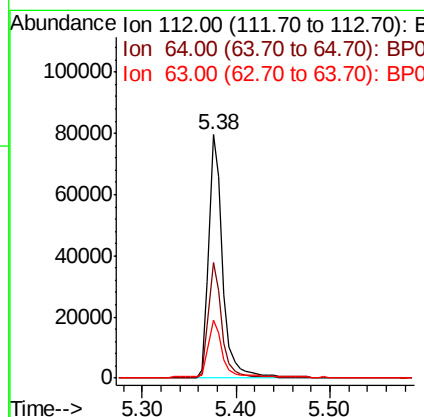
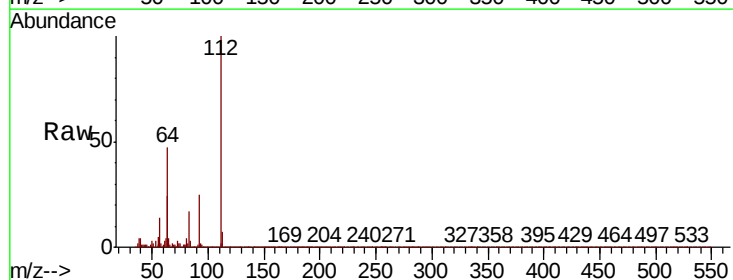
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.1	186.1
115	60.3	48.7	73.1

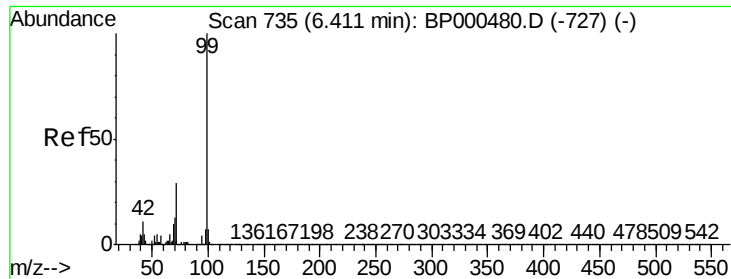


#5

2-Fluorophenol
Concen: 5.659 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.3	34.2	51.4
63	24.0	17.9	26.9





#7

Phenol-d6

Concen: 42.412 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

Instrument :

BNA_P

ClientSampleId :

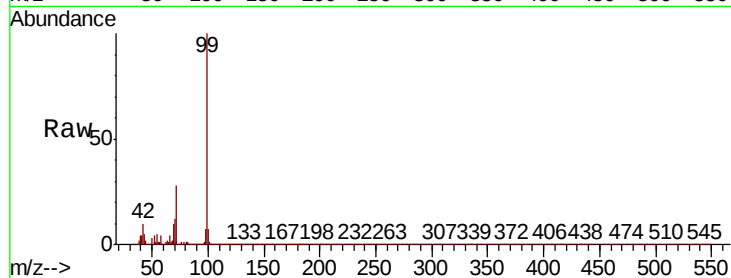
Tot Ion: 99 Resp: 754443

Ion Ratio Lower Upper

99 100

42 10.5 8.6 12.8

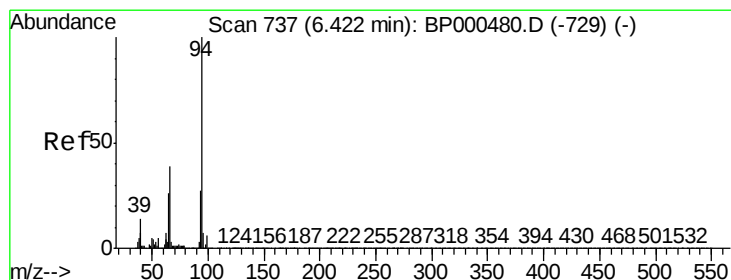
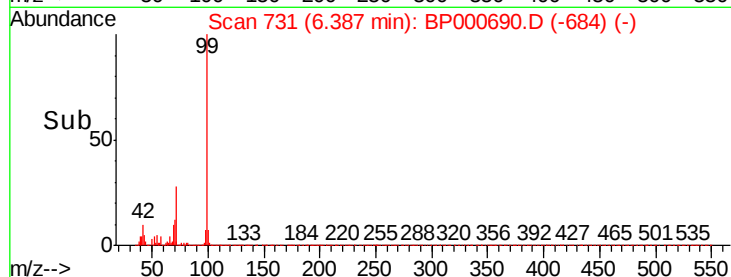
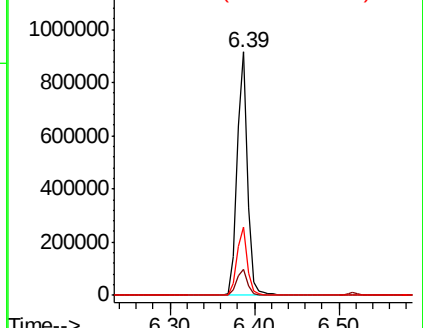
71 28.0 23.0 34.4



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 4.011 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

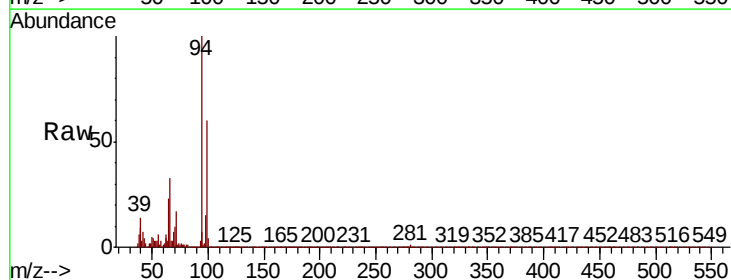
Tgt Ion: 94 Resp: 73054

Ion Ratio Lower Upper

94 100

65 23.0 5.9 45.9

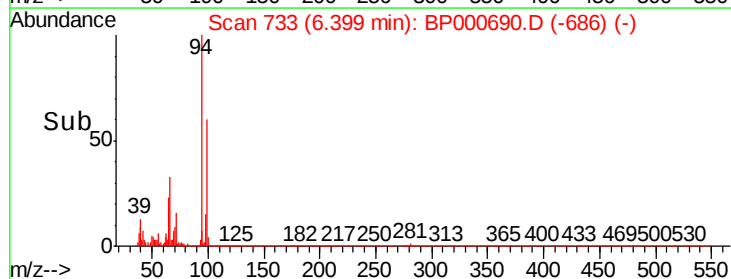
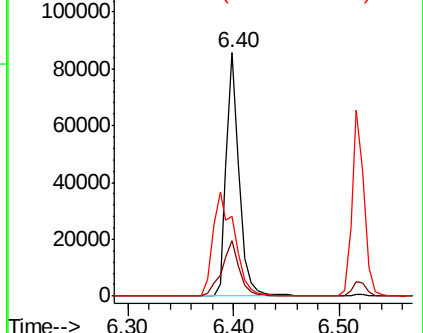
66 32.8 18.8 58.8

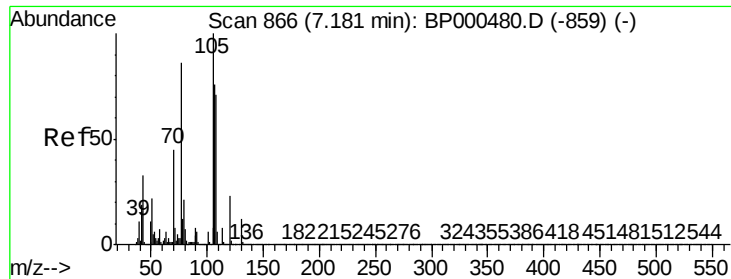


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

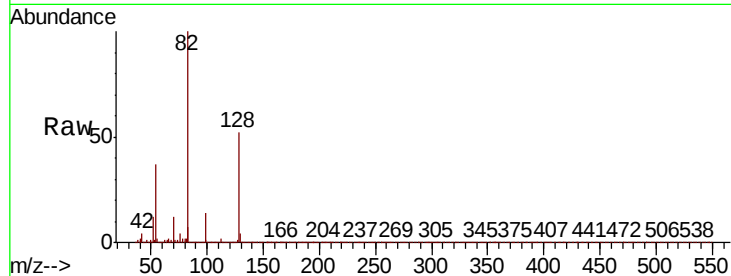




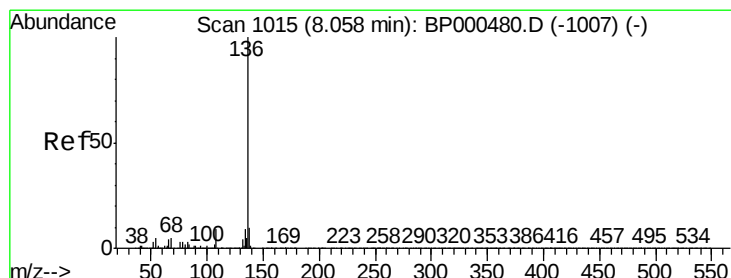
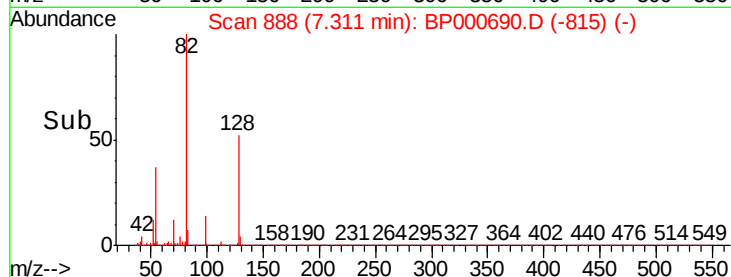
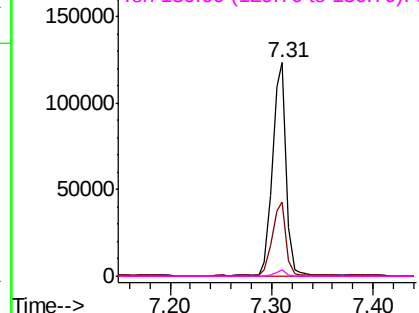
#19
n-Nitroso-di-n-propylamine
Concen: 13.964 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.13 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion:	70	Resp:	114500
Ion	Ratio	Lower	Upper
70	100		
42	35.0	33.2	49.8
101	0.1	9.9	14.9#
130	2.8	21.8	32.8#

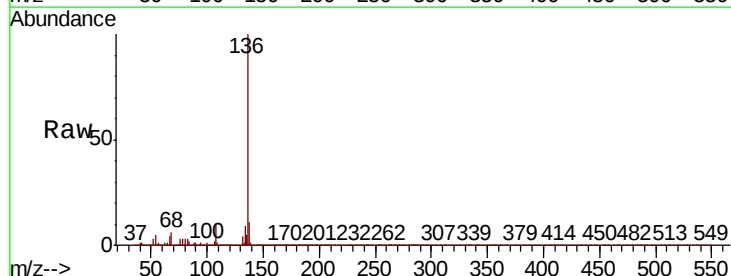


Abundance Ion 70.00 (69.70 to 70.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

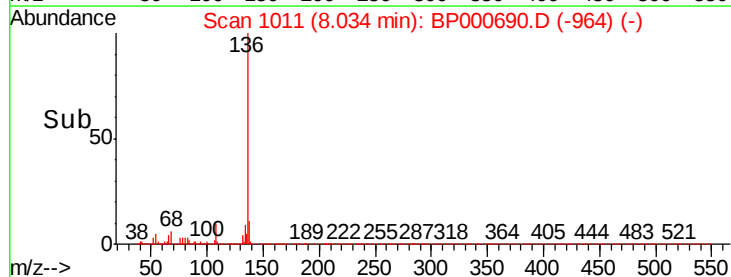
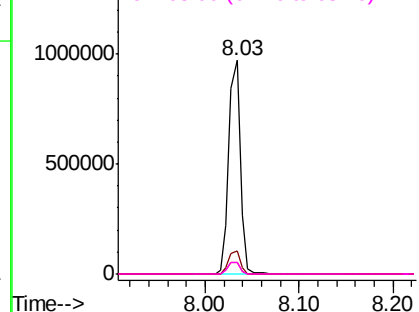


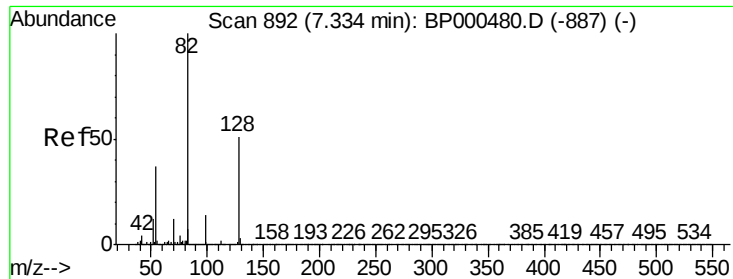
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Tgt Ion:	136	Resp:	837449
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	5.4	4.1	6.1
68	5.6	4.1	6.1



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

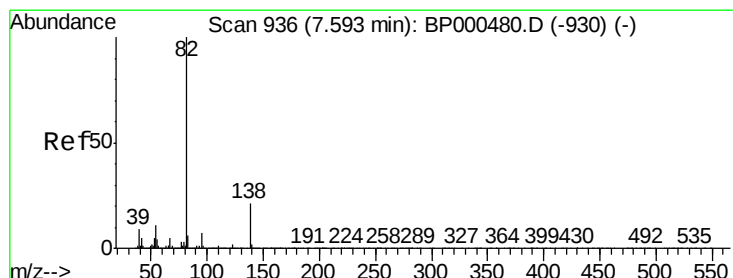
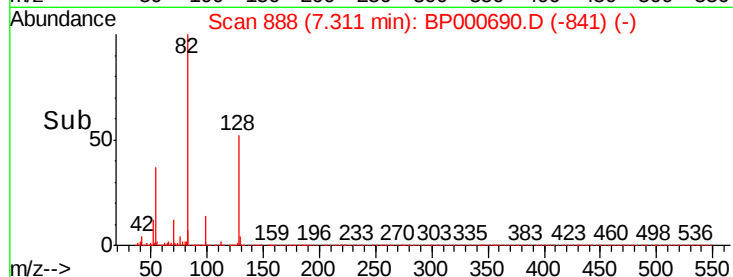
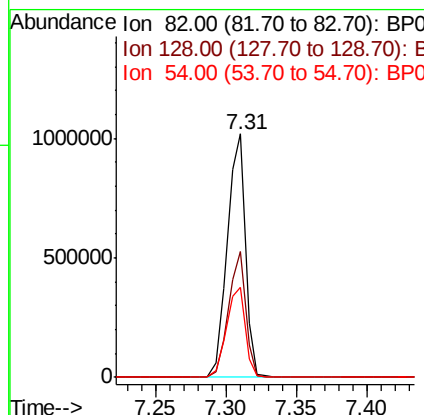
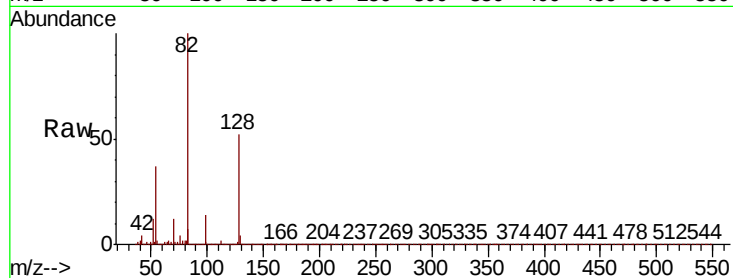




#23
Nitrobenzene-d5
Concen: 66.368 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

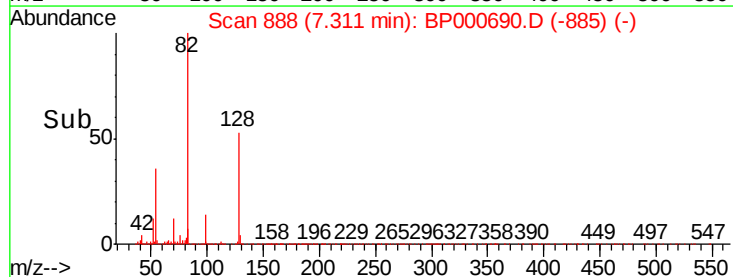
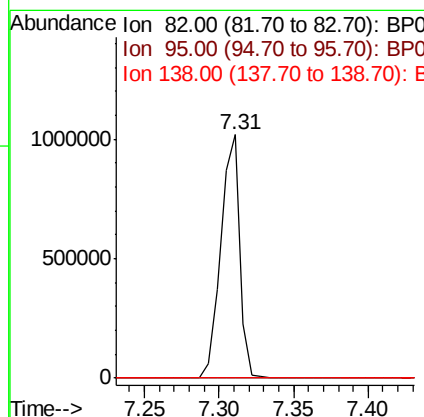
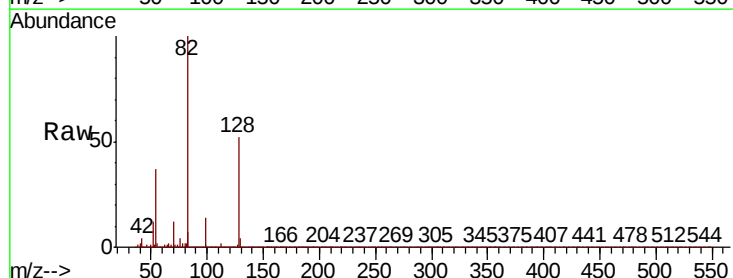
Instrument :
BNA_P
ClientSampleId :

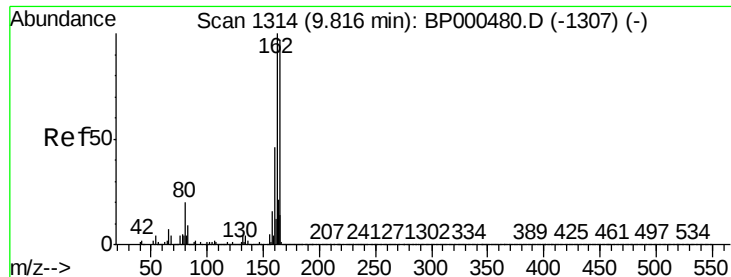
Tot Ion	82	Resp	910024
Ion Ratio	Lower	Upper	
82	100		
128	51.9	40.9	61.3
54	36.8	29.4	44.2



#25
Isophorone
Concen: 37.371 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.28 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Tgt Ion	82	Resp	909450
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	17.0	25.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

Instrument :

BNA_P

ClientSampleId :

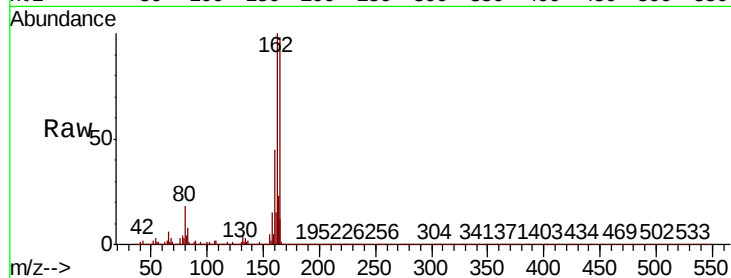
Tot Ion:164 Resp: 452416

Ion Ratio Lower Upper

164 100

162 101.9 82.2 123.2

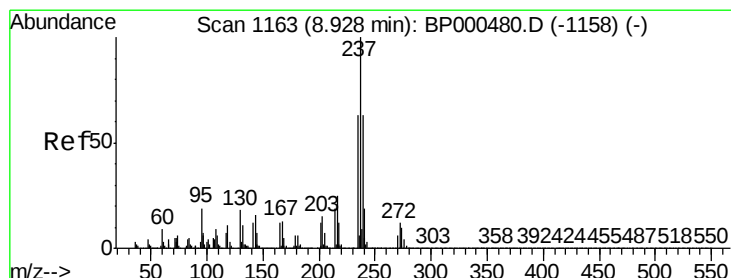
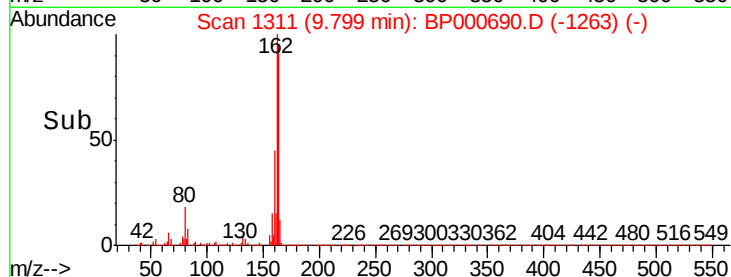
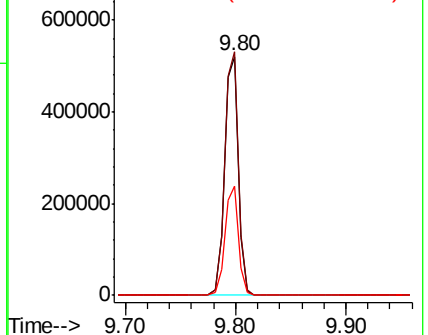
160 45.6 37.6 56.4



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



#41

Hexachlorocyclopentadiene

Concen: 7.299 ng

RT: 8.92 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

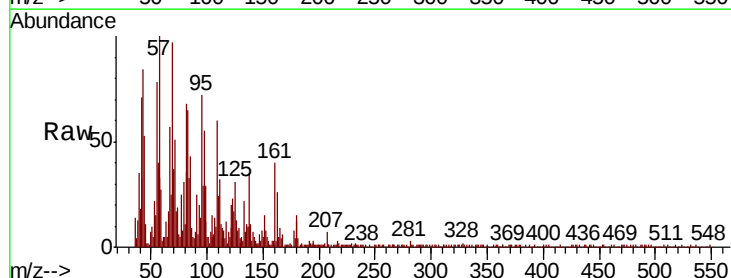
Tgt Ion:237 Resp: 12

Ion Ratio Lower Upper

237 100

235 105.3 42.9 82.9#

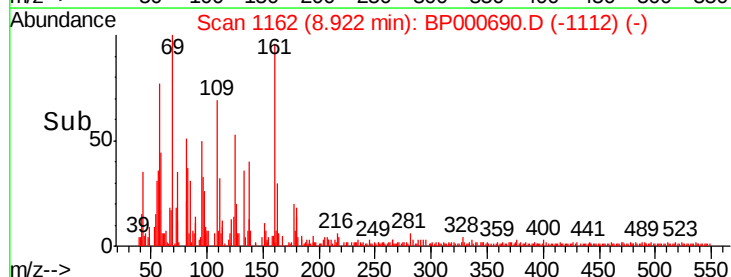
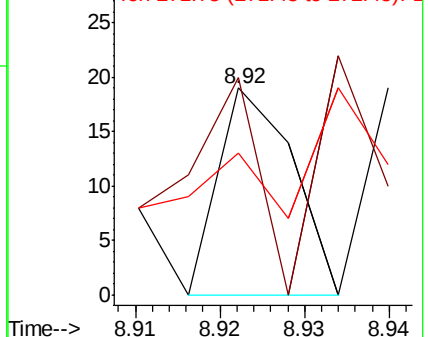
272 68.4 0.0 32.4#

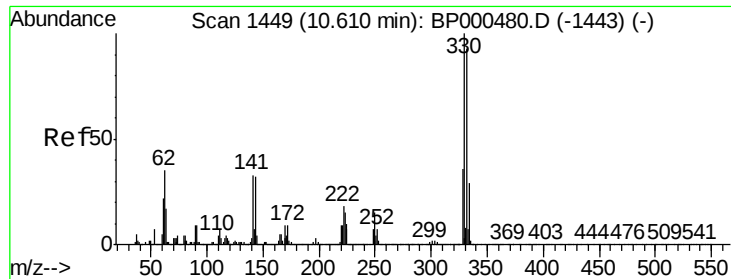


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

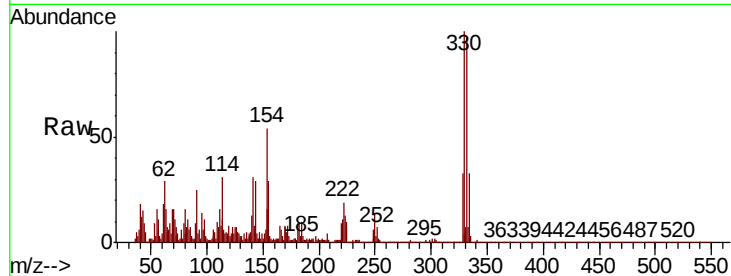




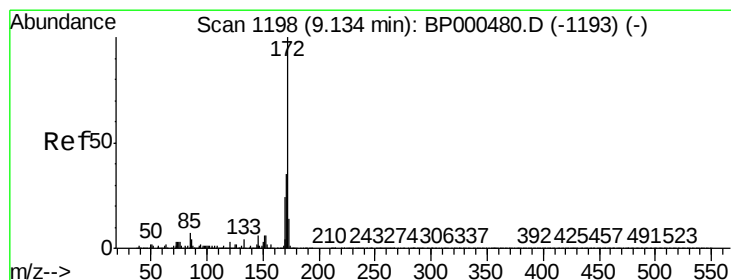
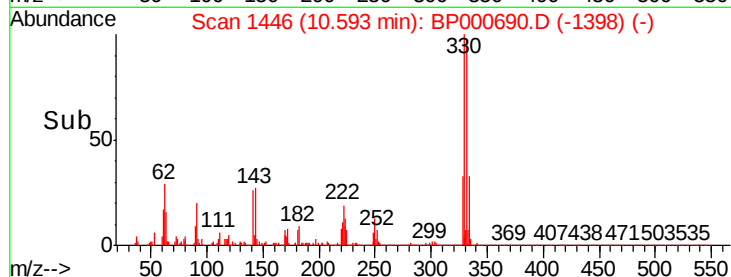
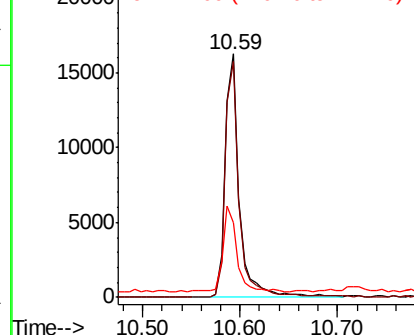
#42
2,4,6-Tribromophenol
Concen: 3.419 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 16485
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 32.3 26.0 39.0

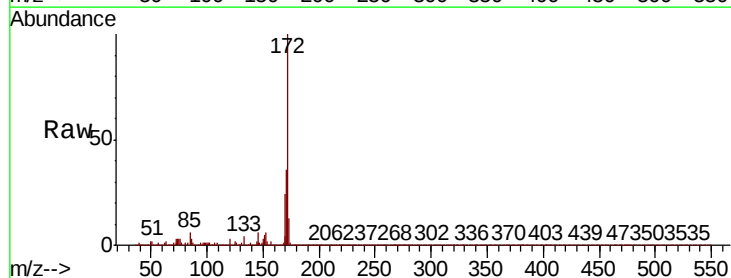


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

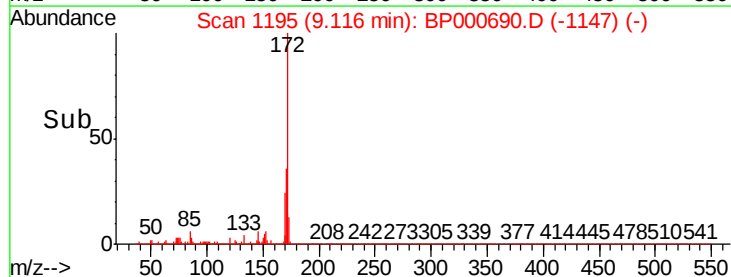
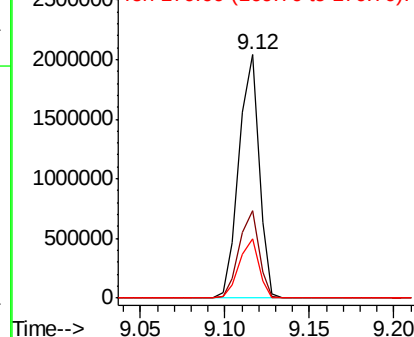


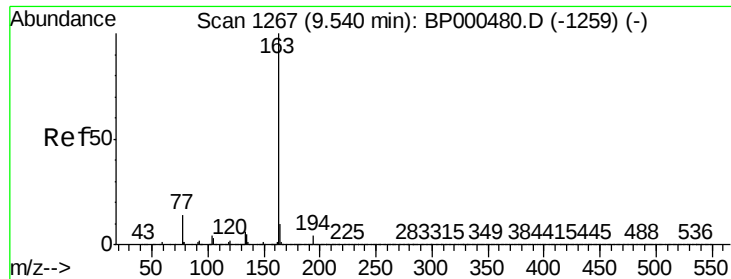
#45
2-Fluorobiphenyl
Concen: 60.535 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Tgt Ion:172 Resp: 1692662
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 24.1 19.1 28.7



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: 9.803 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

Instrument :

BNA_P

ClientSampled :

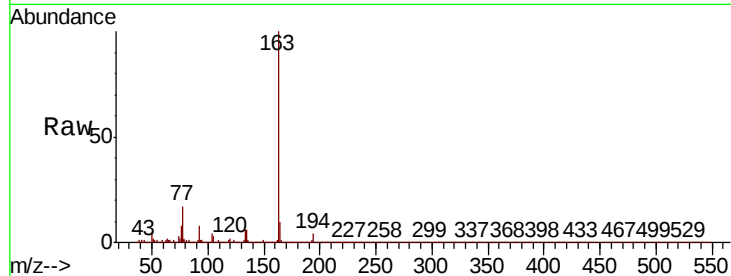
Tot Ion:163 Resp: 308183

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

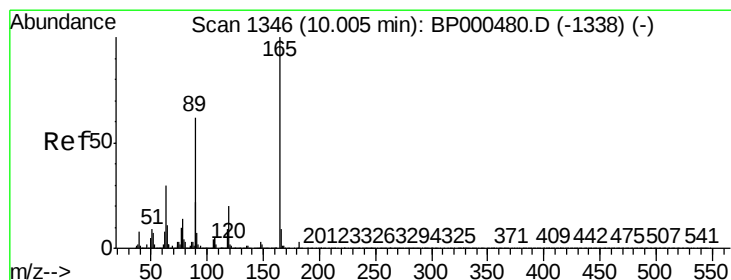
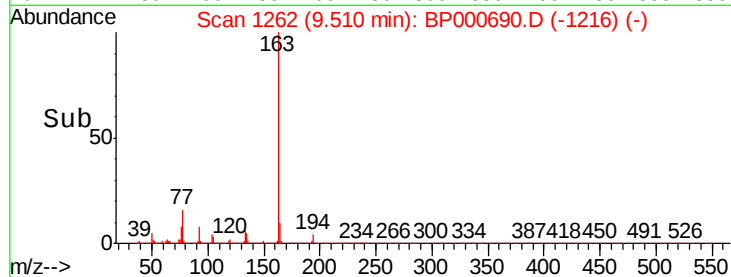
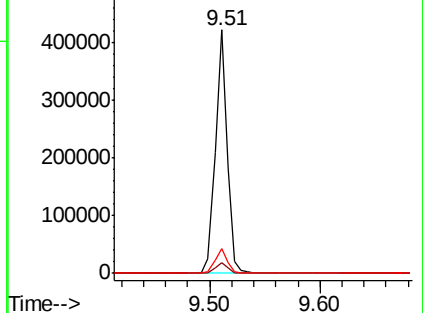
164 10.3 8.0 12.0



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: 6.545 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.21 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

Tgt Ion:165 Resp: 59493

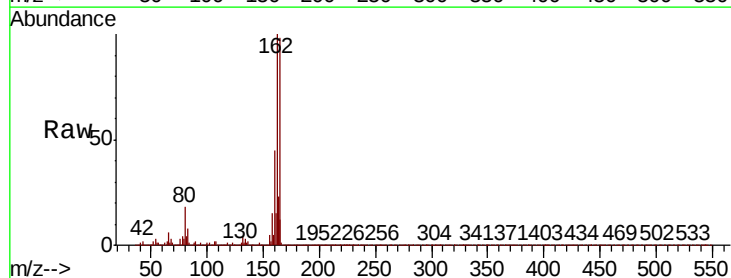
Ion Ratio Lower Upper

165 100

63 1.1 24.2 36.4#

89 1.2 49.4 74.0#

182 0.1 2.5 3.7#

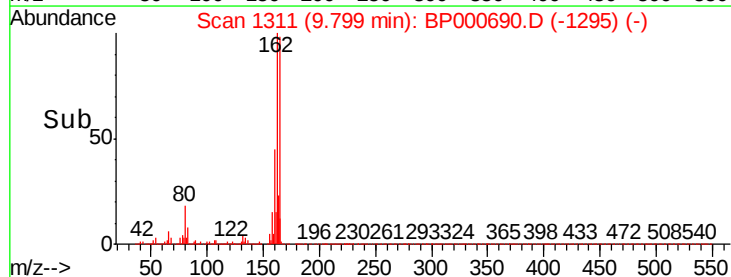
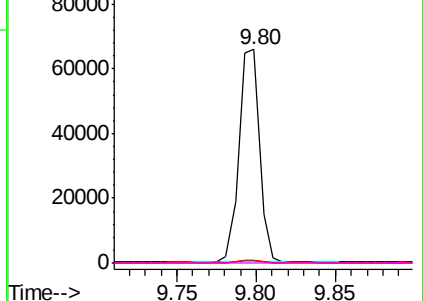


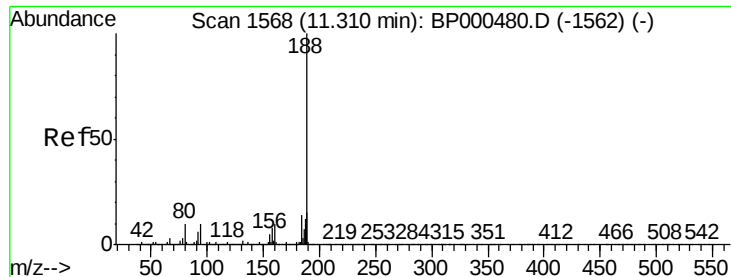
Abundance Ion 165.00 (164.70 to 165.70): E

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

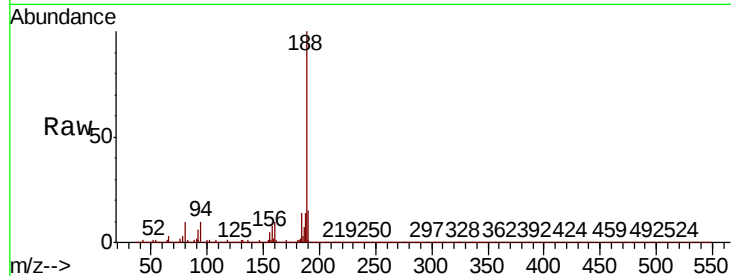




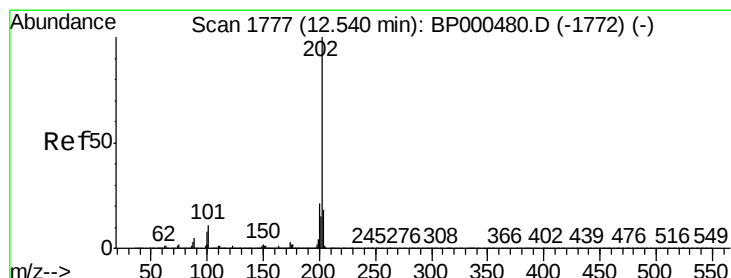
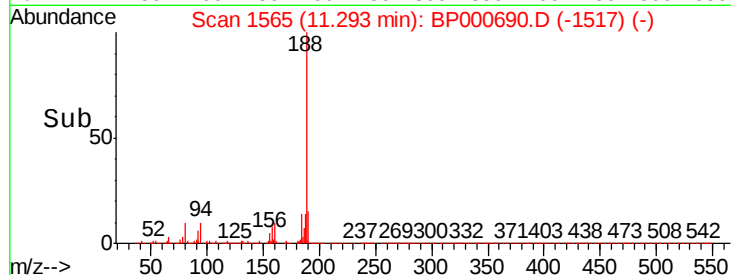
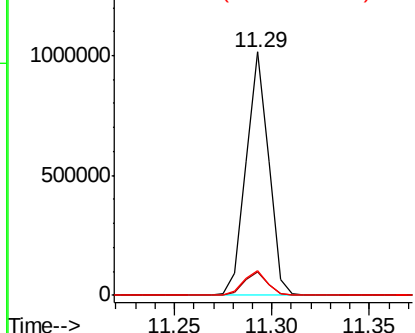
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Instrument :
BNA_P
ClientSampled :

Tot Ion:188 Resp: 814113
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.2
80 10.0 8.3 12.5

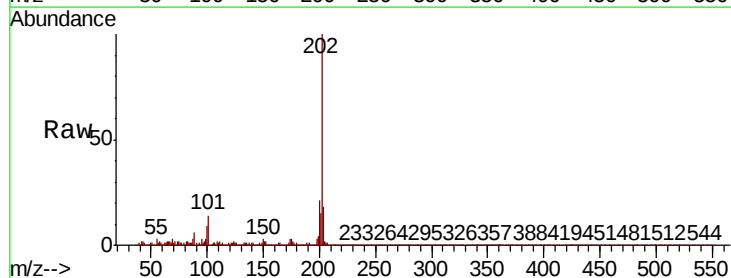


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BP0
Ion 80.00 (79.70 to 80.70): BP0

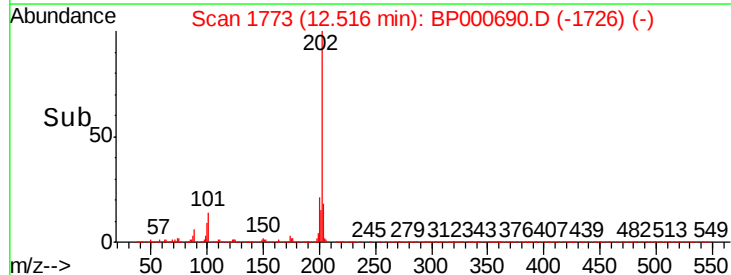
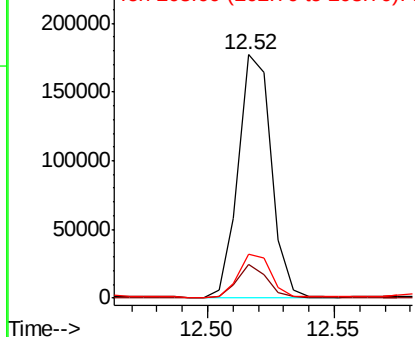


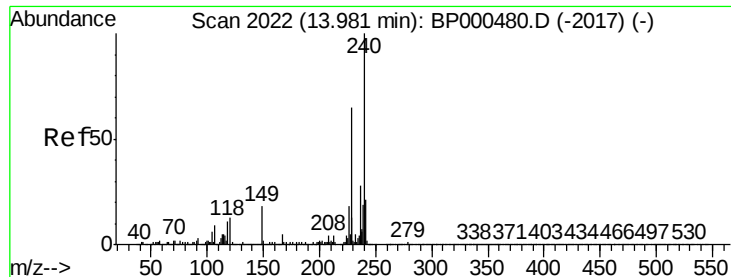
#75
Fluoranthene
Concen: 3.477 ng
RT: 12.52 min Scan# 1773
Delta R.T. -0.02 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Tgt Ion:202 Resp: 159684
Ion Ratio Lower Upper
202 100
101 13.7 0.0 31.3
203 18.2 0.0 38.1



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

Instrument :

BNA_P

ClientSampleId :

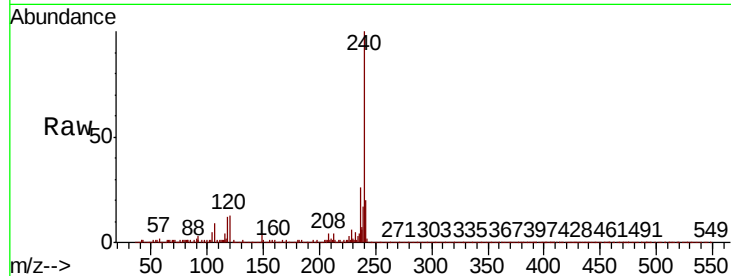
Tot Ion:240 Resp: 683786

Ion Ratio Lower Upper

240 100

120 13.0 10.1 15.1

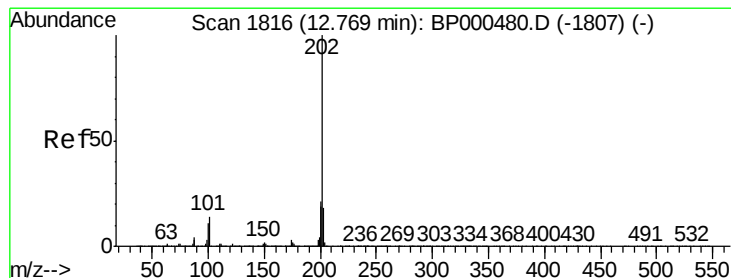
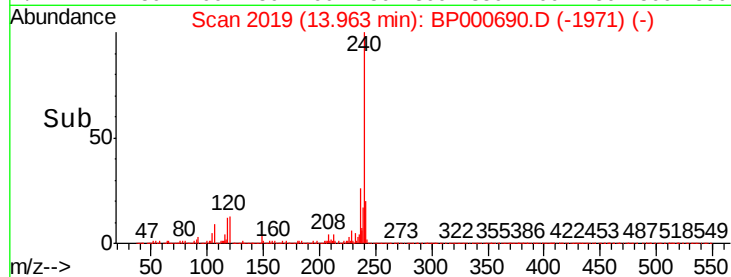
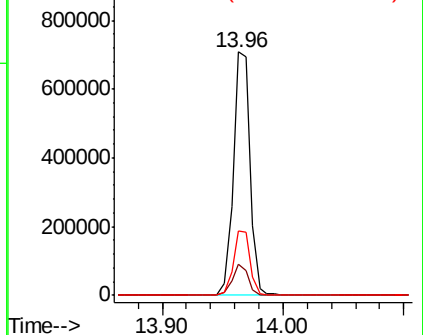
236 26.4 22.7 34.1



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



#78

Pyrene

Concen: 3.543 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

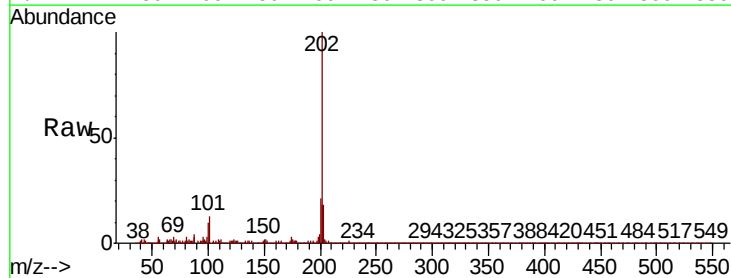
Tgt Ion:202 Resp: 167105

Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

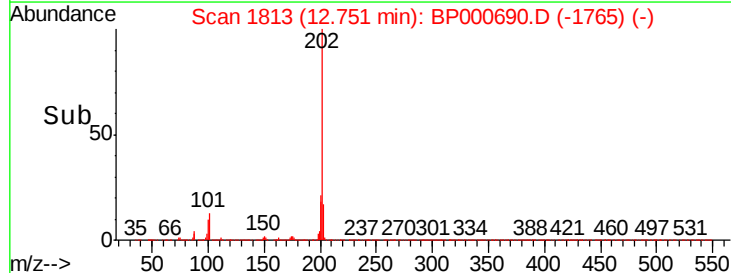
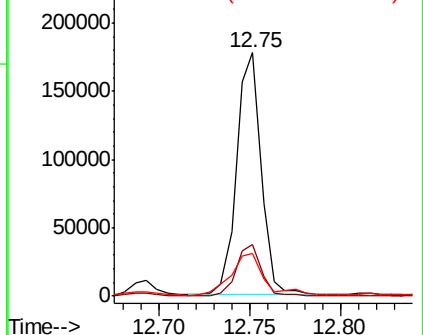
203 17.6 14.6 21.8

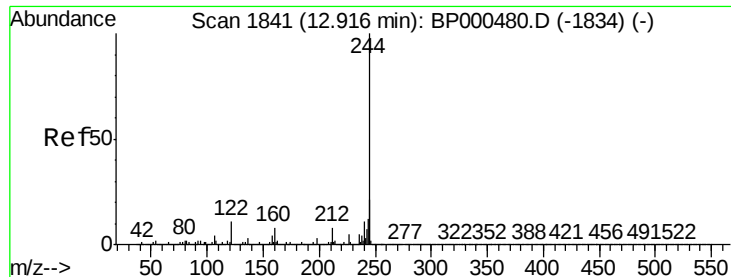


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 55.612 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

Instrument :

BNA_P

ClientSampled :

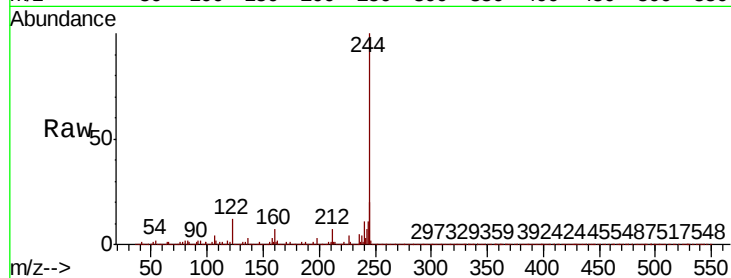
Tot Ion:244 Resp: 1878114

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 11.5 8.9 13.3

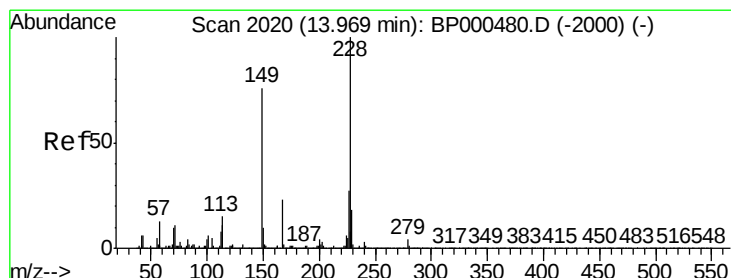
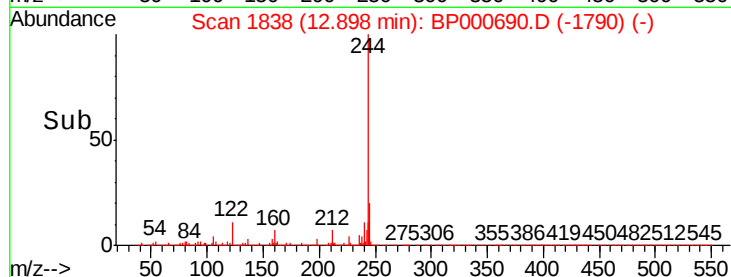
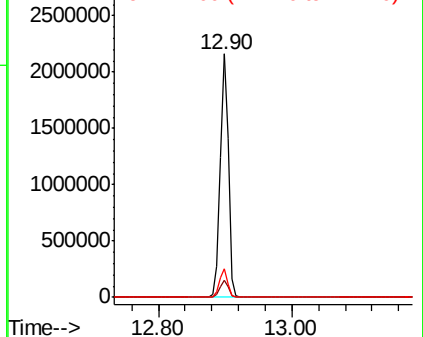


Abundance

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: 2.239 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

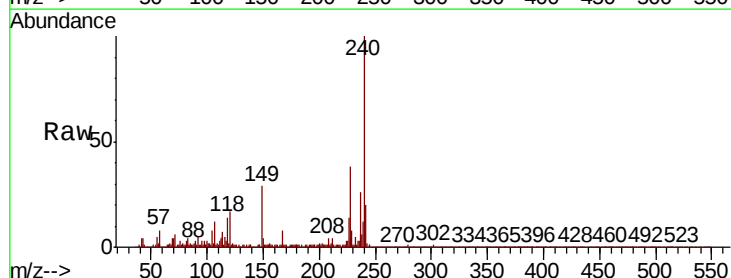
Tgt Ion:228 Resp: 93417

Ion Ratio Lower Upper

228 100

226 38.5 21.4 32.2#

229 21.3 14.7 22.1

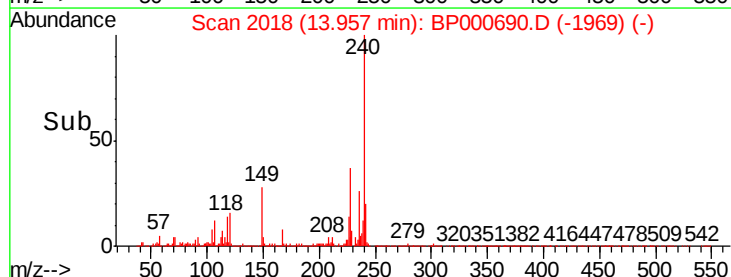
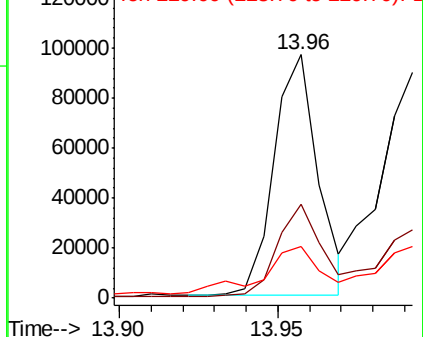


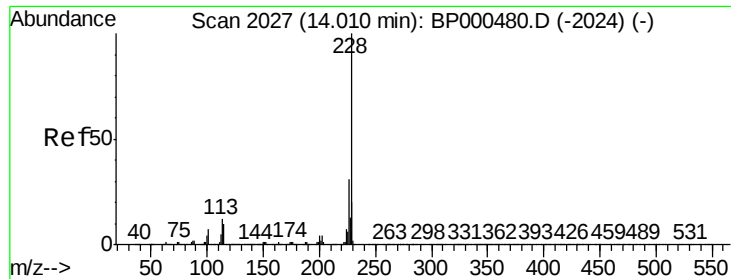
Abundance

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: 2.335 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

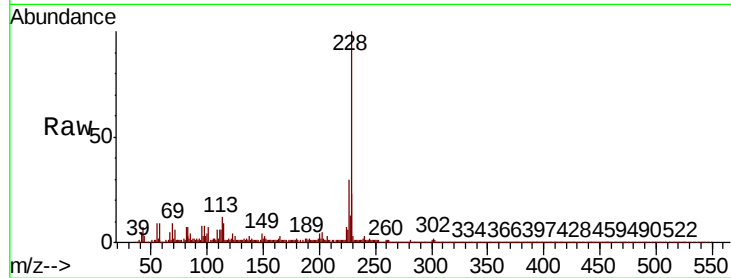
Instrument :

BNA_P

ClientSampleId :

Tot Ion:228 Resp: 95626

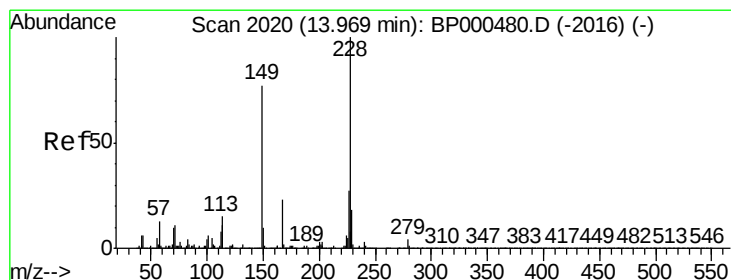
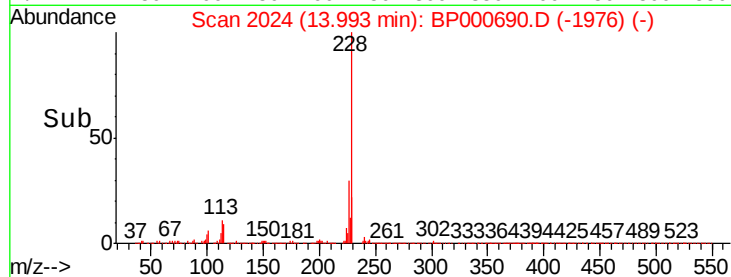
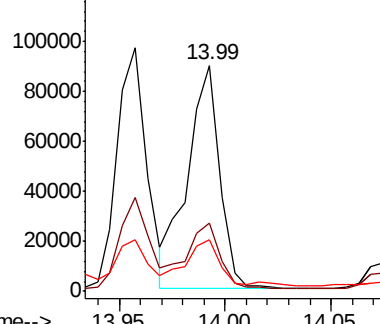
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	23.0	16.3	24.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.564 ng

RT: 13.96 min Scan# 2018

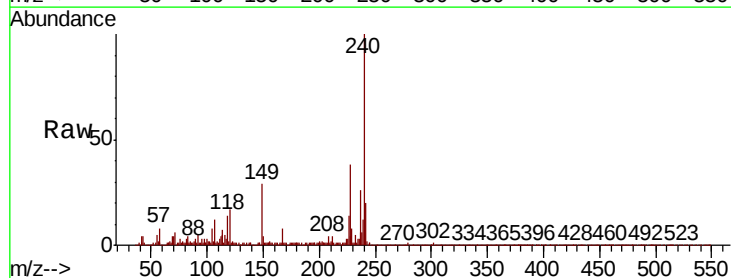
Delta R.T. -0.01 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

Tgt Ion:149 Resp: 66280

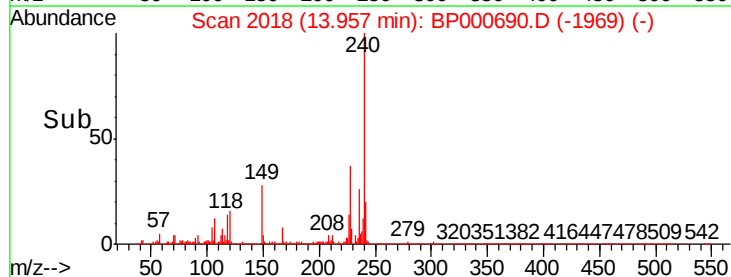
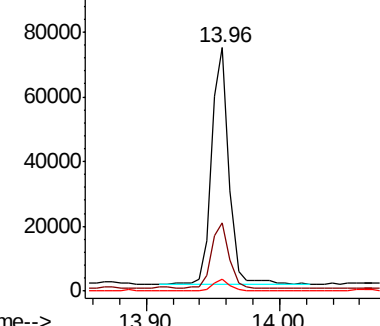
Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.6	35.4
279	4.9	3.9	5.9

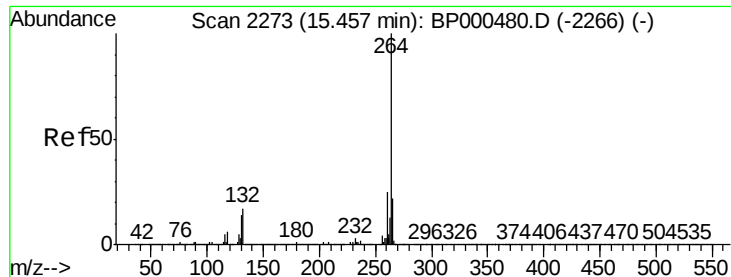


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.02 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

Instrument :

BNA_P

ClientSampleId :

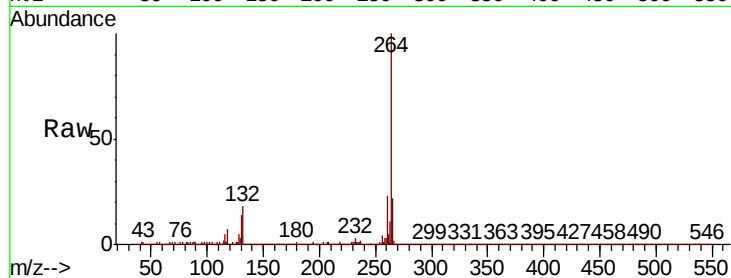
Tot Ion:264 Resp: 767982

Ion Ratio Lower Upper

264 100

260 23.5 20.3 30.5

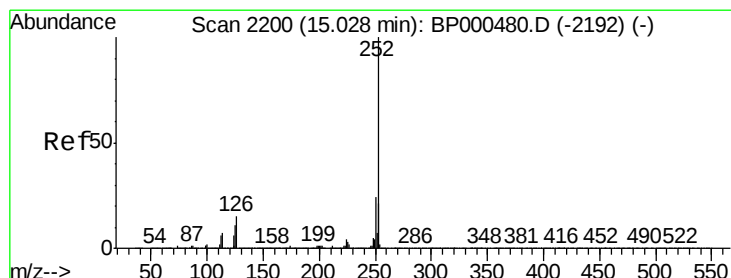
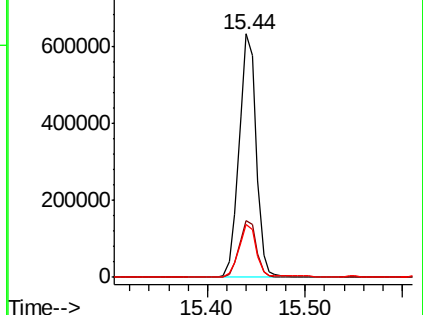
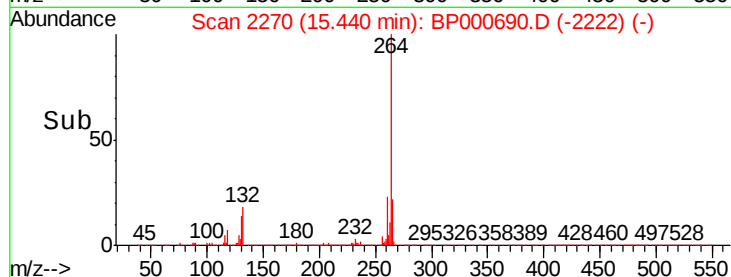
265 21.6 18.0 27.0



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: 4.037 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BP000690.D

Acq: 13 Oct 2019 00:25

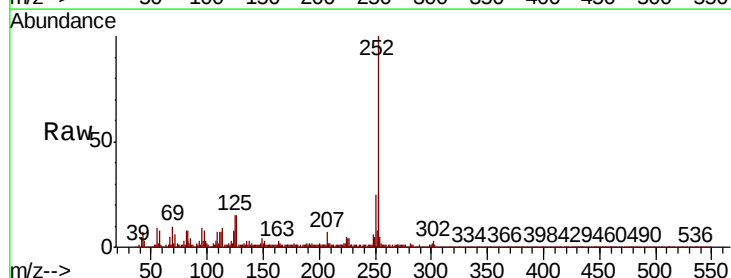
Tgt Ion:252 Resp: 175900

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.4

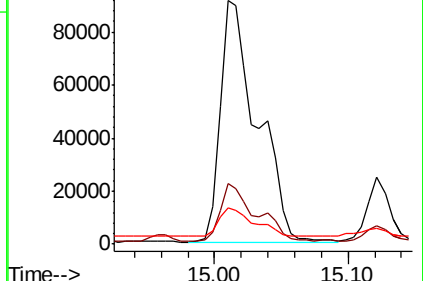
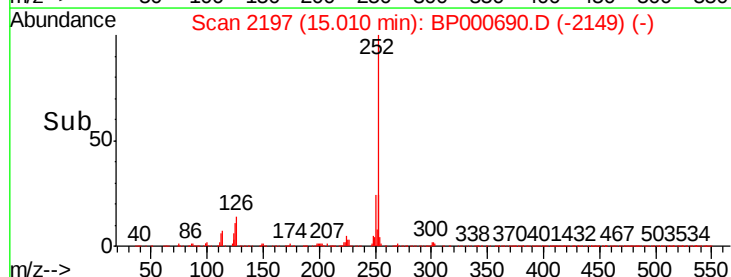
125 14.6 8.9 13.3#

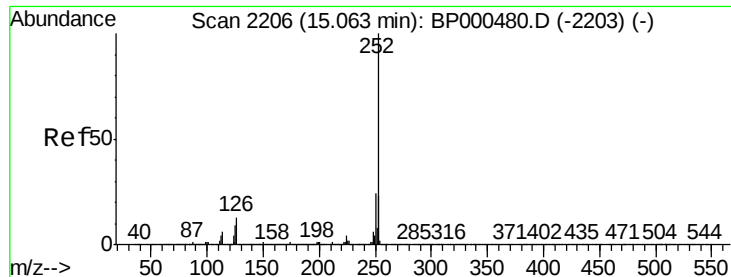


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

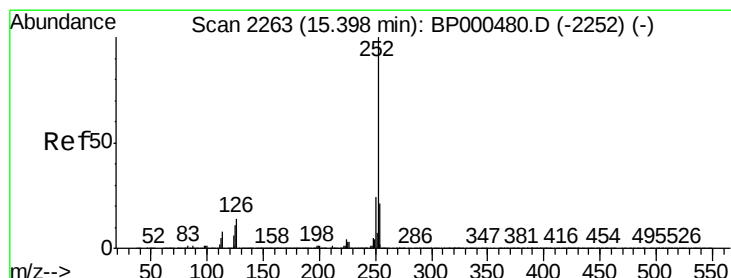
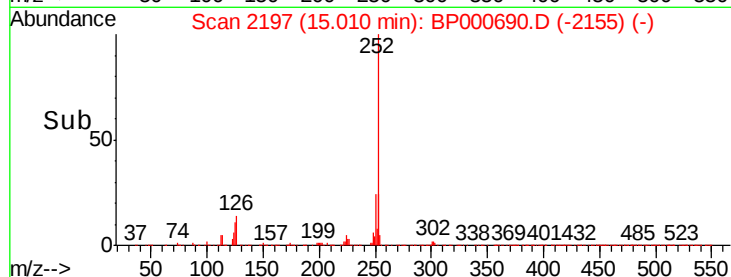
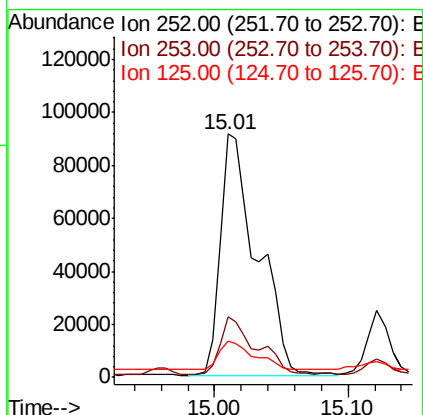
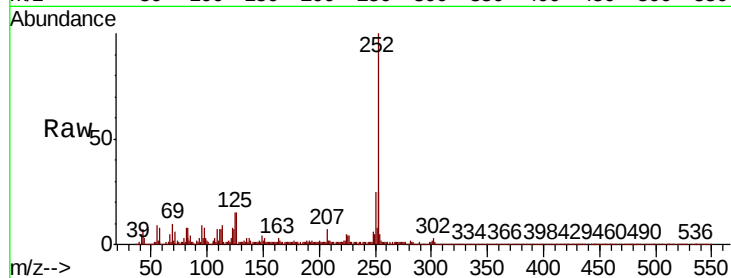




#89
Benzo(k)fluoranthene
Concen: 4.241 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.05 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion:252 Resp: 175900
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 14.6 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 2.499 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.02 min
Lab File: BP000690.D
Acq: 13 Oct 2019 00:25

Tgt Ion:252 Resp: 101500
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 14.9 8.4 12.6#

