

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP101419\
 Data File : BP000705.D
 Acq On : 14 Oct 2019 13:04
 Operator : JU
 Sample : K5348-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 15 03:54:24 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	212995	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	767524	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	412620	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	767880	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	666305	20.00	ng	-0.01
87) Perylene-d12	15.45	264	768536	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	173198	13.07	ng	-0.02
7) Phenol-d6	6.39	99	1236097	77.41	ng	-0.02
23) Nitrobenzene-d5	7.31	82	819854	65.24	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	14378	3.27	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1376724	53.99	ng	-0.02
79) Terphenyl-d14	12.90	244	1632984	49.62	ng	-0.01

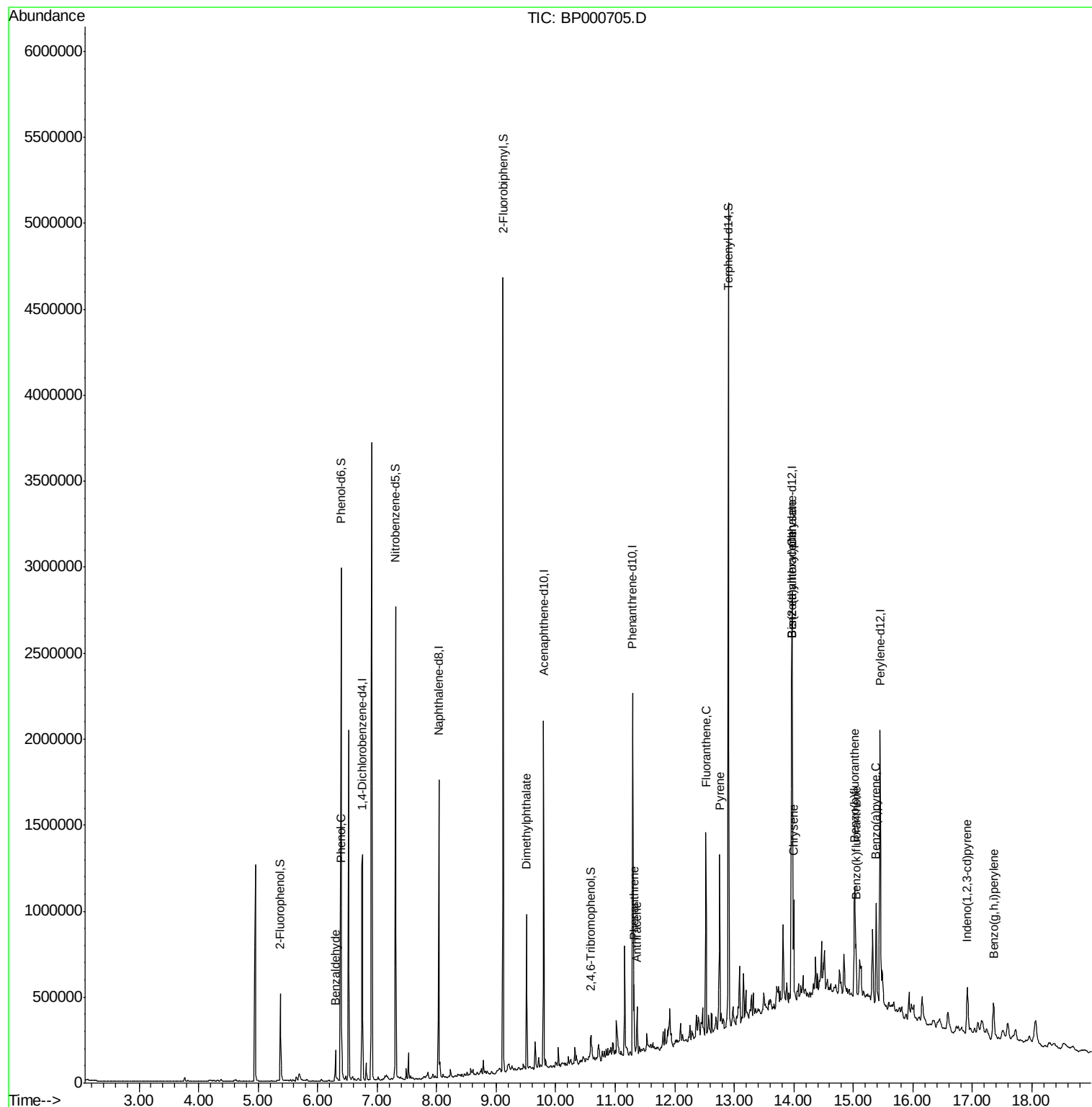
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	39729	4.777	ng	96
10) Phenol	6.40	94	72140	4.413	ng	90
50) Dimethylphthalate	9.51	163	319499	11.144	ng	99
71) Phenanthrene	11.32	178	119319	3.094	ng	98
72) Anthracene	11.37	178	83140	2.174	ng	98
75) Fluoranthene	12.52	202	417286	9.634	ng	99
78) Pyrene	12.75	202	419273	9.124	ng	99
81) Benzo(a)anthracene	13.96	228	261925	6.443	ng	# 86
83) Chrysene	14.00	228	261229	6.547	ng	# 98
84) Bis(2-ethylhexyl)phthalate	13.96	149	127769	5.073	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.92	276	171983	3.450	ng	96
88) Benzo(b)fluoranthene	15.02	252	358888m	8.231	ng	
89) Benzo(k)fluoranthene	15.05	252	100251m	2.415	ng	
90) Benzo(a)pyrene	15.39	252	283681	6.980	ng	97
92) Benzo(a,h,i)perylene	17.36	276	182575	4.558	ng	97

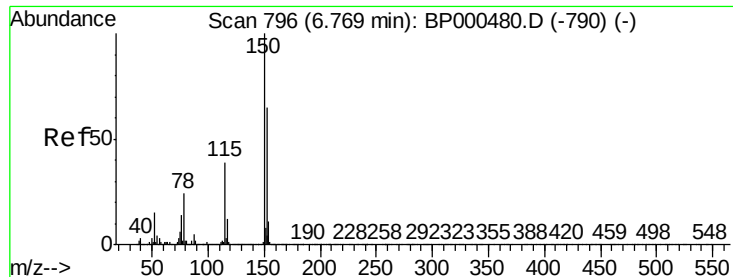
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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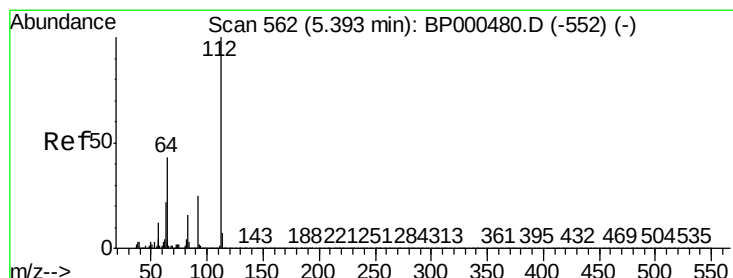
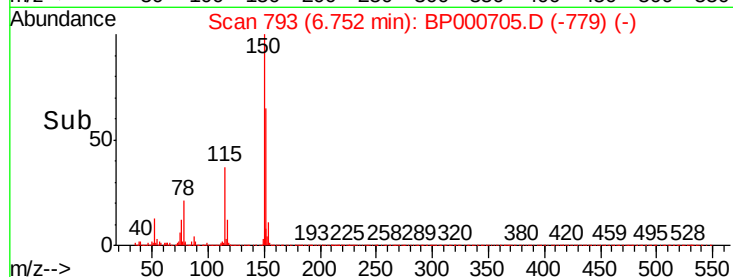
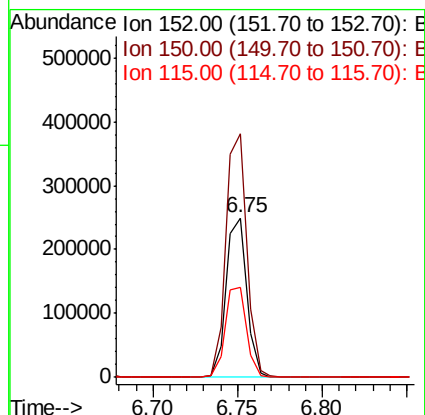
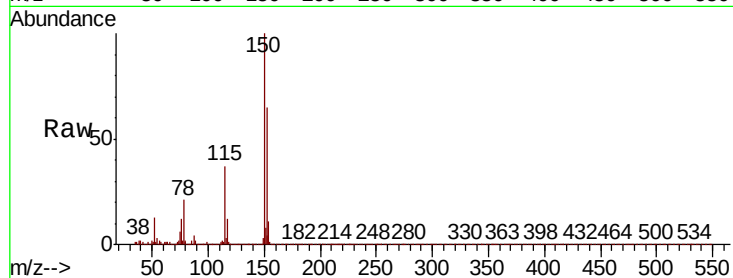


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Instrument :
BNA_P
ClientSampleId :

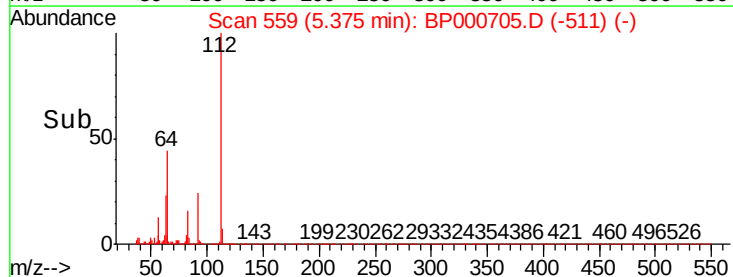
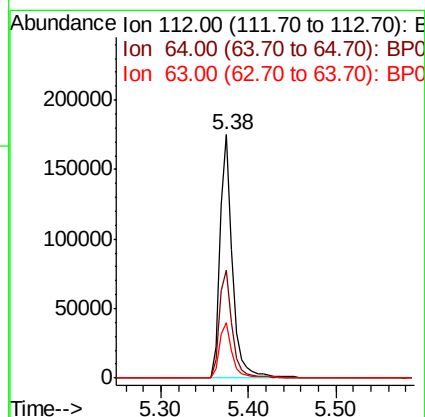
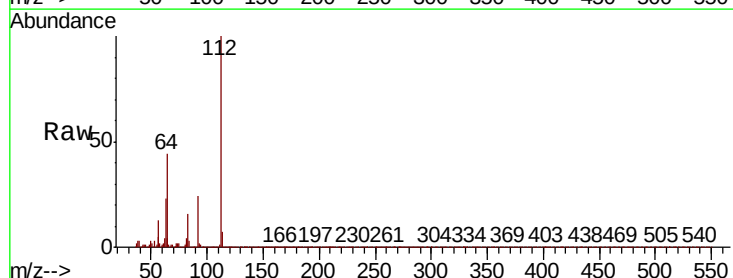
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.1	186.1
115	56.2	48.7	73.1

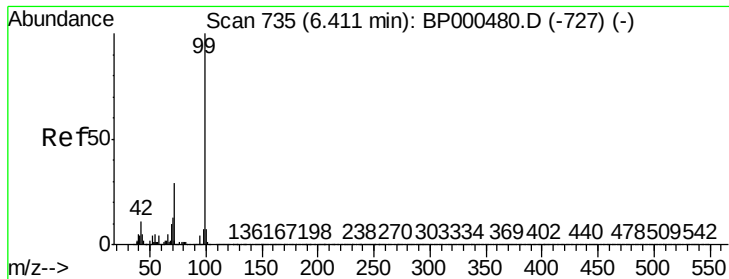


#5

2-Fluorophenol
Concen: 13.071 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.4	34.2	51.4
63	22.5	17.9	26.9





#7

Phenol-d6

Concen: 77.413 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

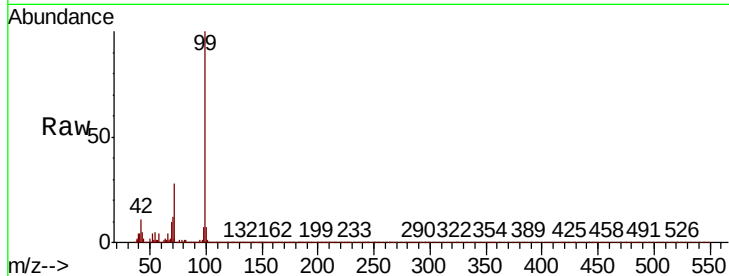
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1236097

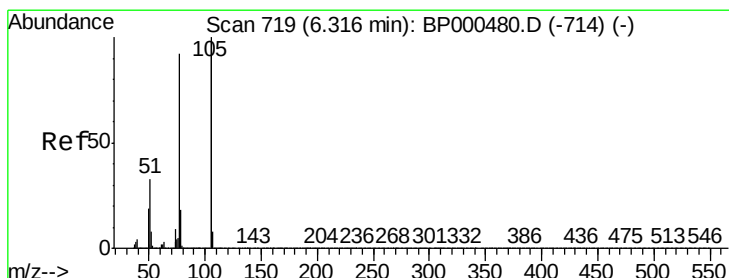
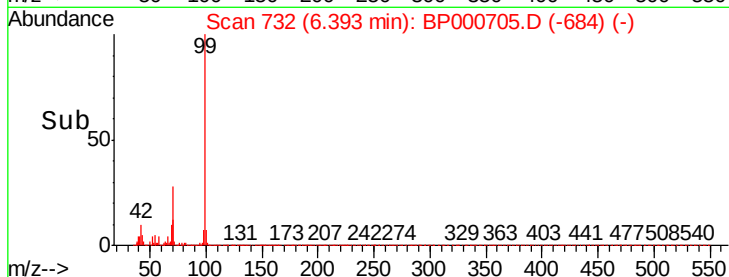
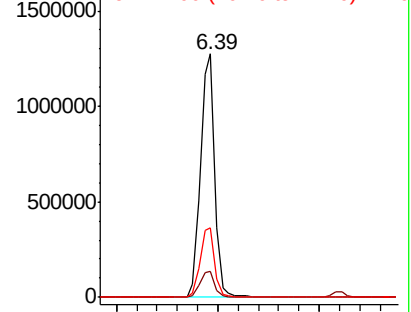
Ion	Ratio	Lower	Upper
99	100		
42	10.5	8.6	12.8
71	28.5	23.0	34.4



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



#9

Benzaldehyde

Concen: 4.777 ng

RT: 6.30 min Scan# 716

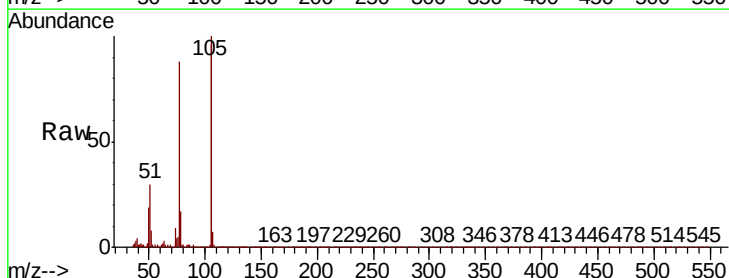
Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Tgt Ion: 77 Resp: 39729

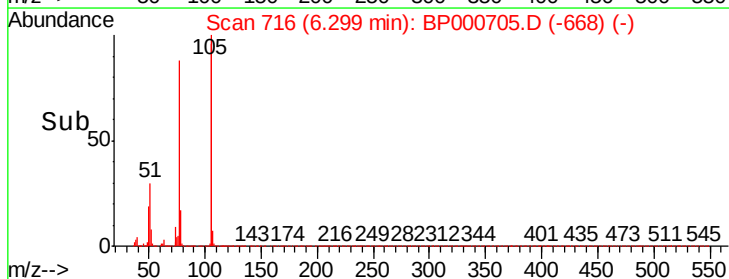
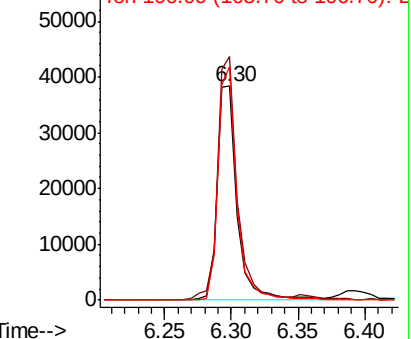
Ion	Ratio	Lower	Upper
77	100		
105	114.0	88.3	128.3
106	109.1	85.7	125.7

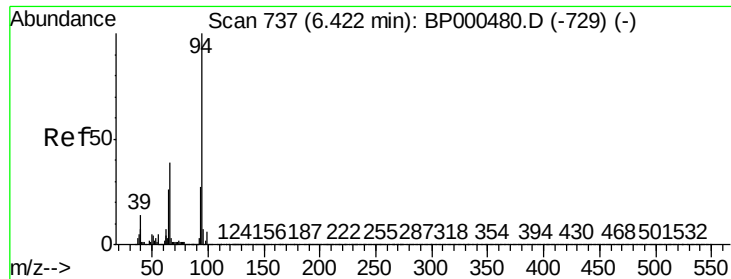


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

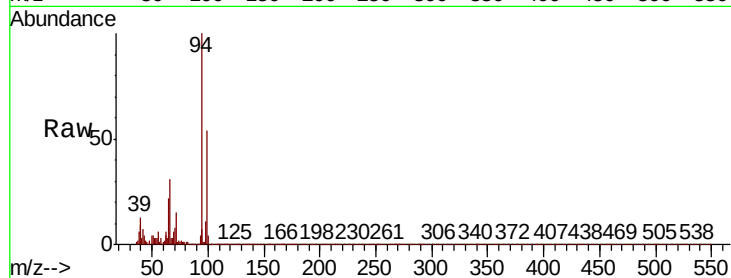




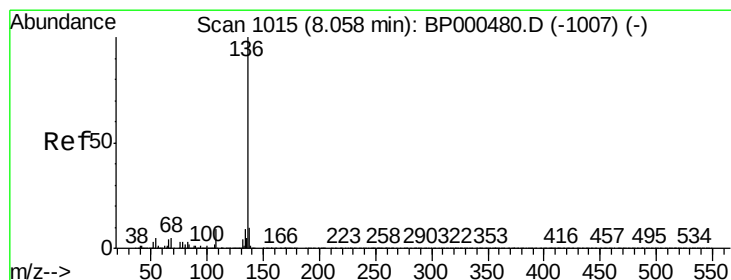
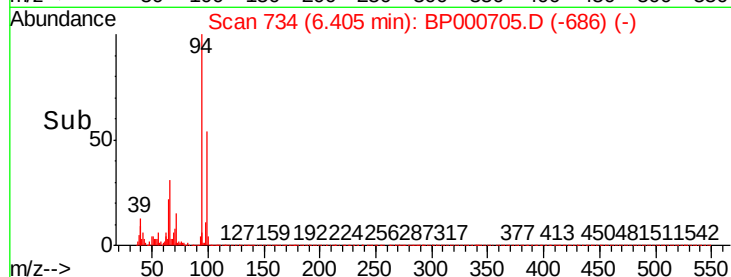
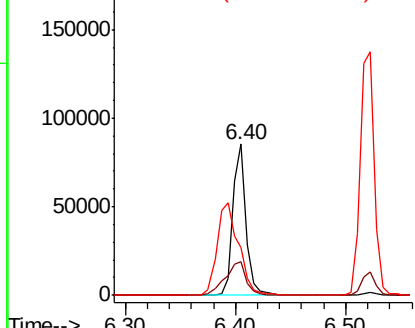
#10
Phenol
Concen: 4.413 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.02 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Instrument :
BNA_P
ClientSampleId :

Tot Ion: 94 Resp: 72140
Ion Ratio Lower Upper
94 100
65 22.3 5.9 45.9
66 31.4 18.8 58.8

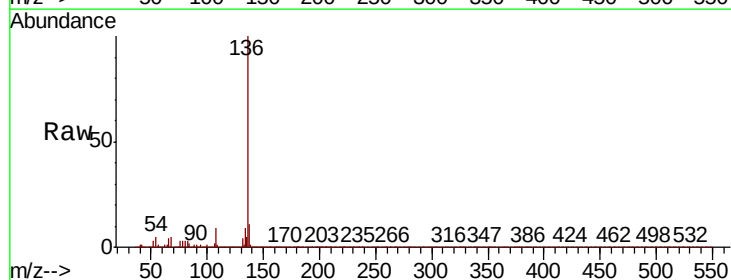


Abundance Ion 94.00 (93.70 to 94.70): BP0
Ion 65.00 (64.70 to 65.70): BP0
Ion 66.00 (65.70 to 66.70): BP0

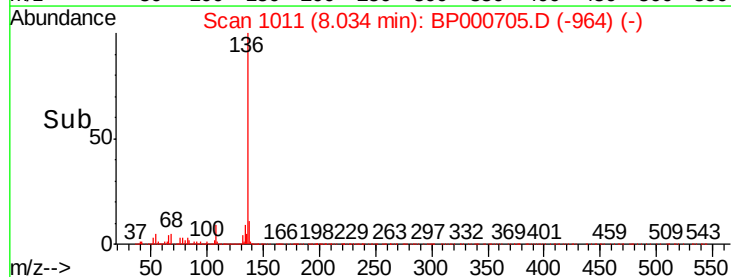
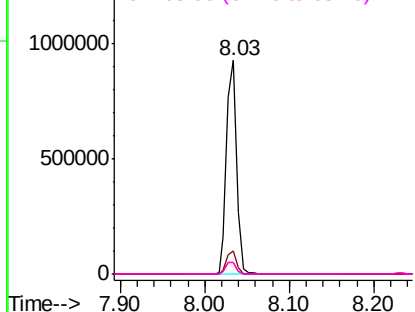


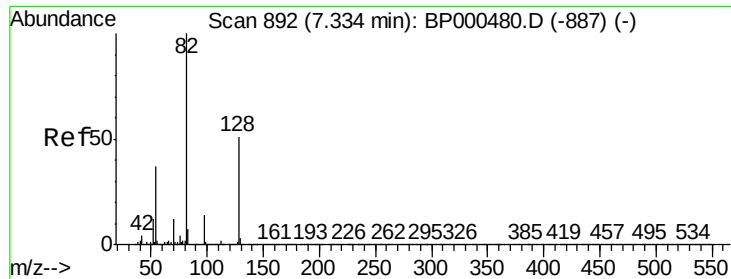
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Tgt Ion: 136 Resp: 767524
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 5.2 4.1 6.1
68 5.2 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

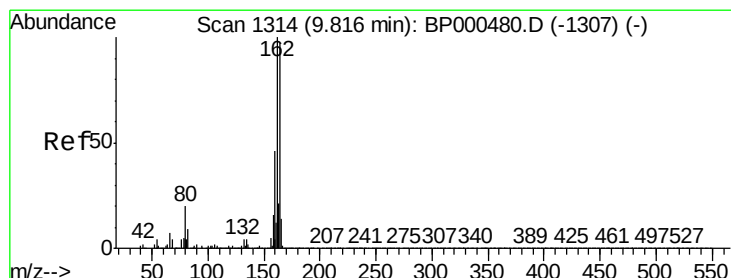
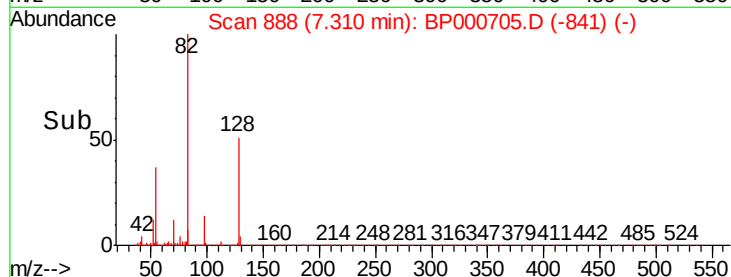
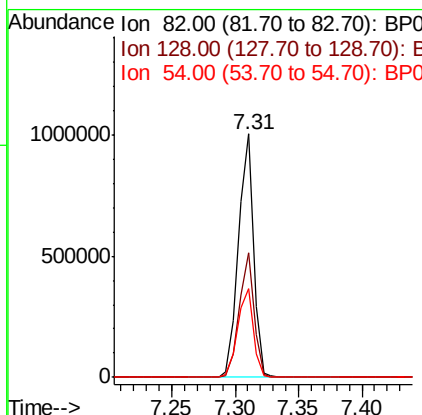
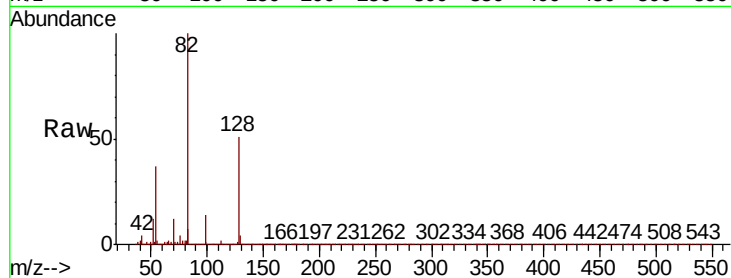




#23
 Nitrobenzene-d5
 Concen: 65.239 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BP000705.D
 Acq: 14 Oct 2019 13:04

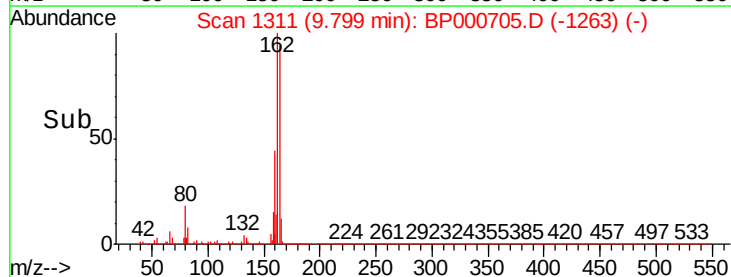
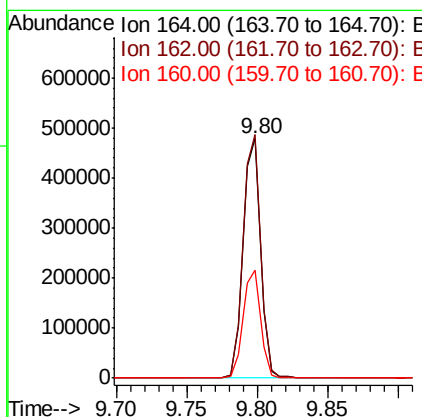
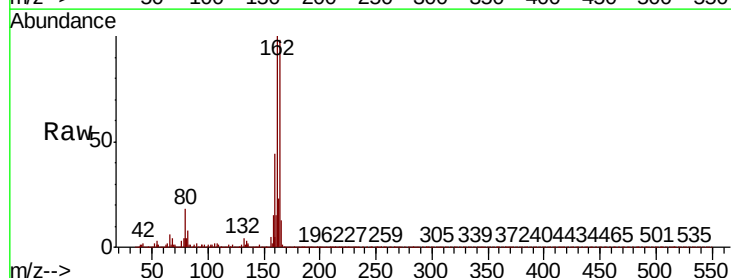
Instrument :
 BNA_P
 ClientSampled :

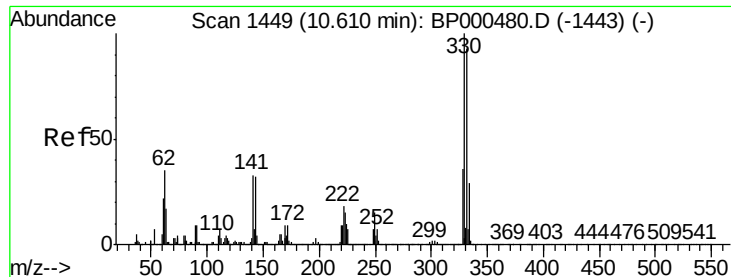
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.2	40.9	61.3
54	36.7	29.4	44.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BP000705.D
 Acq: 14 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.2	123.2
160	45.3	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 3.270 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

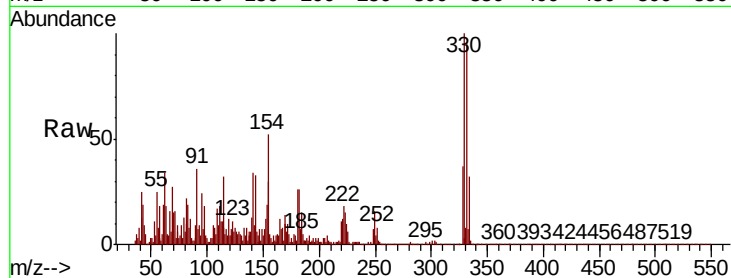
Tot Ion:330 Resp: 14378

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

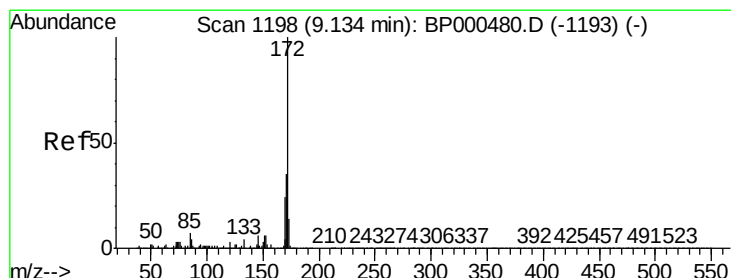
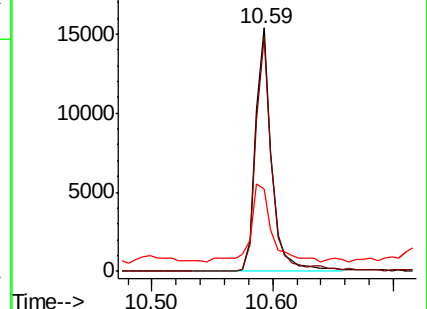
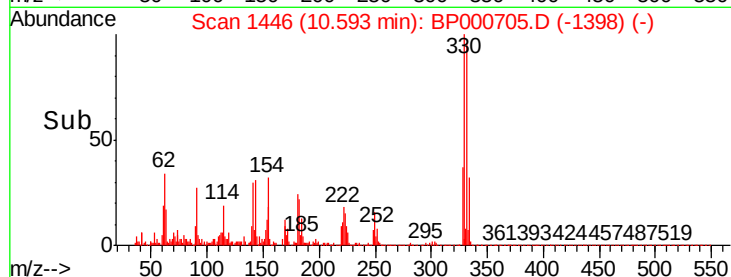
141 42.8 26.0 39.0#



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: 53.985 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

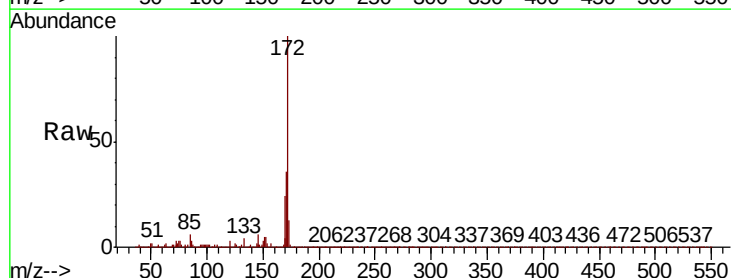
Tgt Ion:172 Resp: 1376724

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

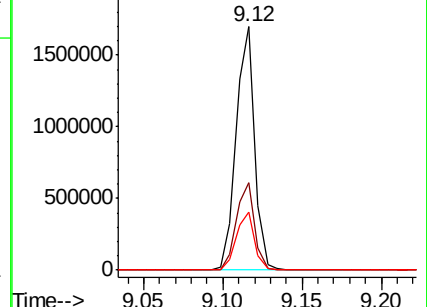
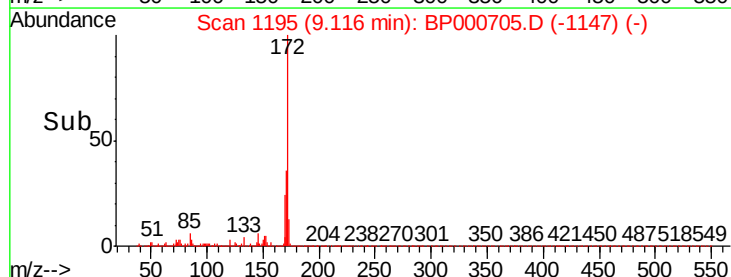
170 23.8 19.1 28.7

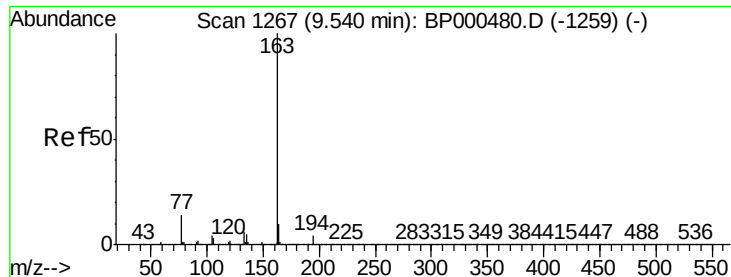


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

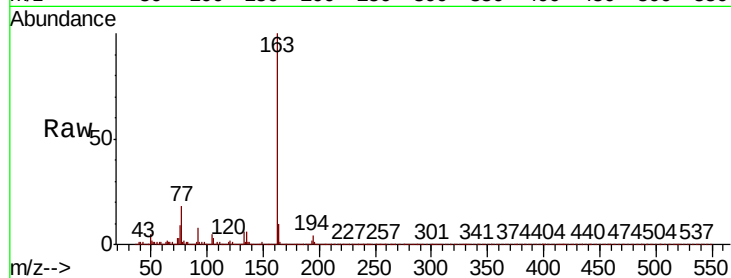




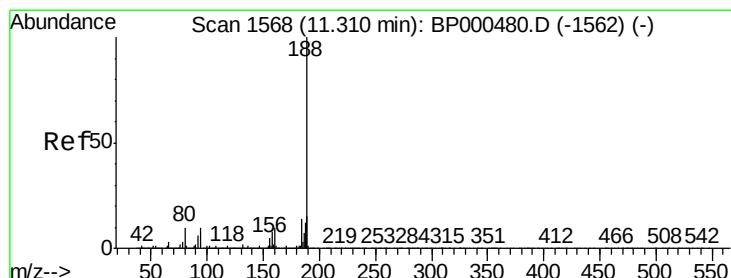
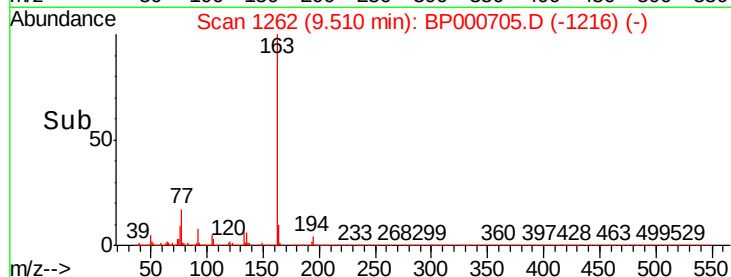
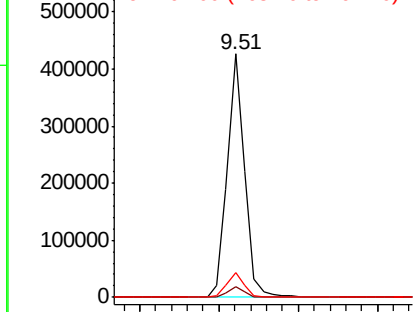
#50
Dimethylphthalate
Concen: 11.144 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Instrument :
BNA_P
ClientSampleId :

Tot Ion:163 Resp: 319499
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.3 8.0 12.0

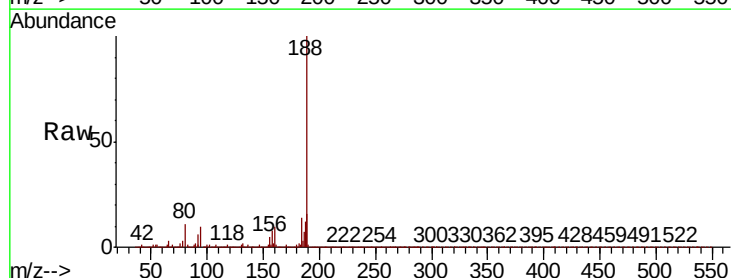


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

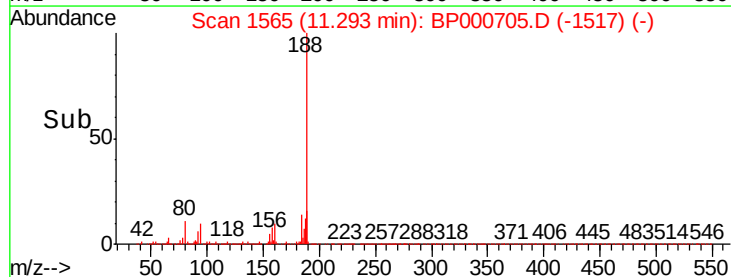
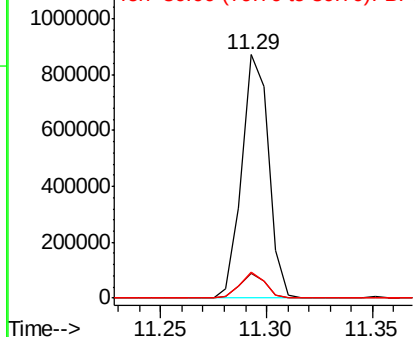


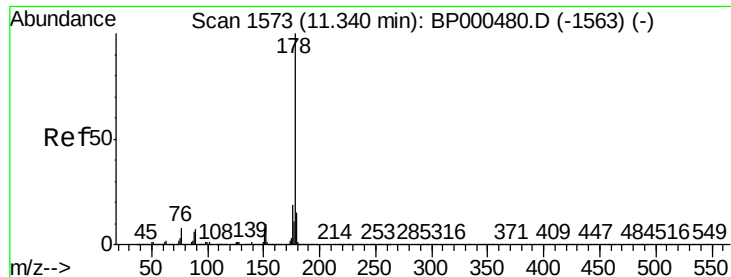
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Tgt Ion:188 Resp: 767880
Ion Ratio Lower Upper
188 100
94 10.4 8.2 12.2
80 10.7 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





#71

Phenanthrene

Concen: 3.094 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

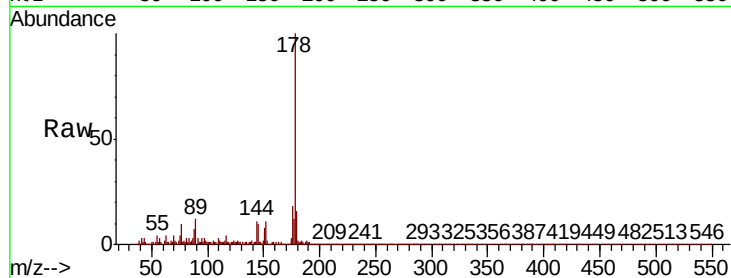
Tot Ion:178 Resp: 119319

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

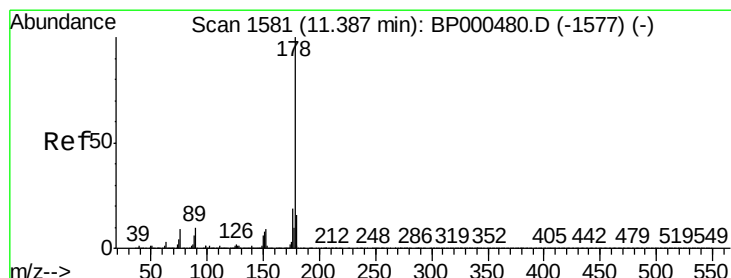
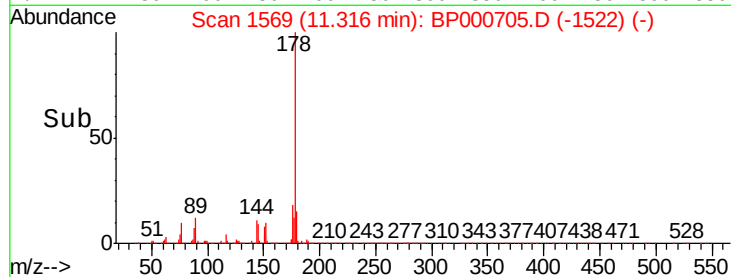
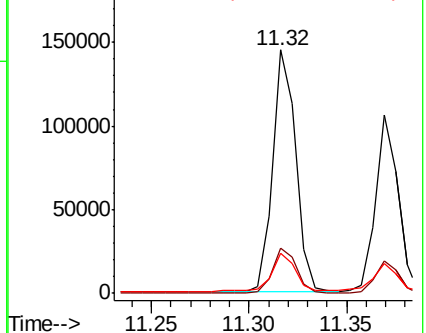
179 16.4 12.2 18.4



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: 2.174 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

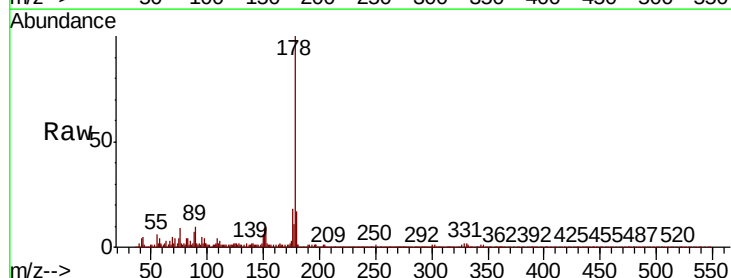
Tgt Ion:178 Resp: 83140

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

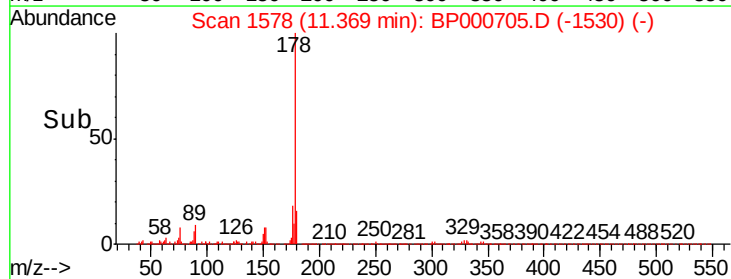
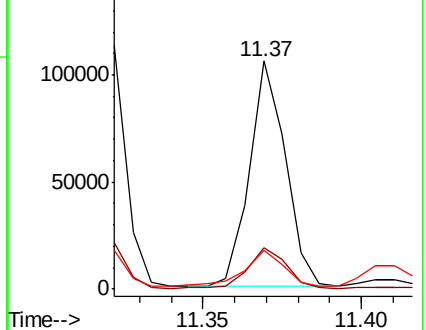
179 16.8 12.6 19.0

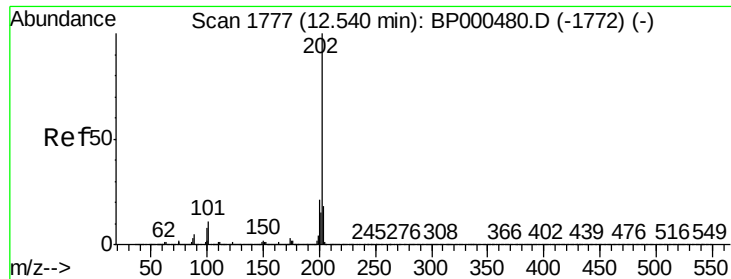


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.634 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000705.D

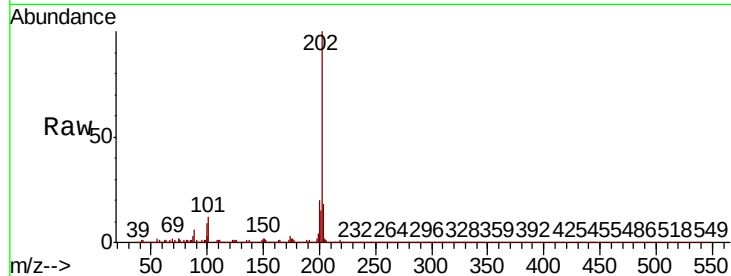
Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

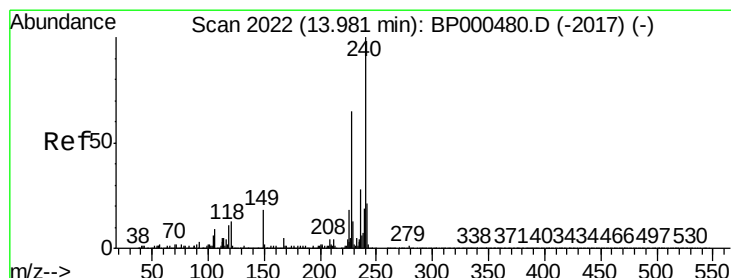
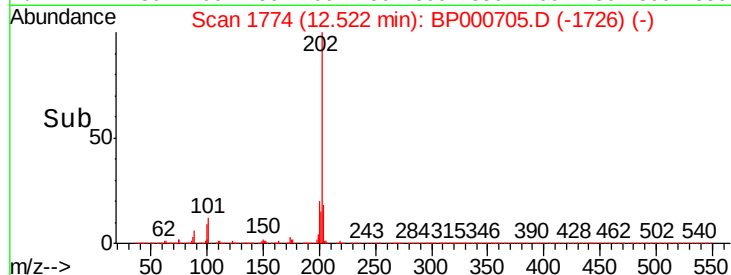
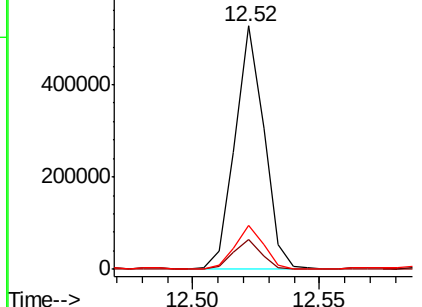
Tot Ion:	202	Resp:	417286
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	31.3
203	17.8	0.0	38.1



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

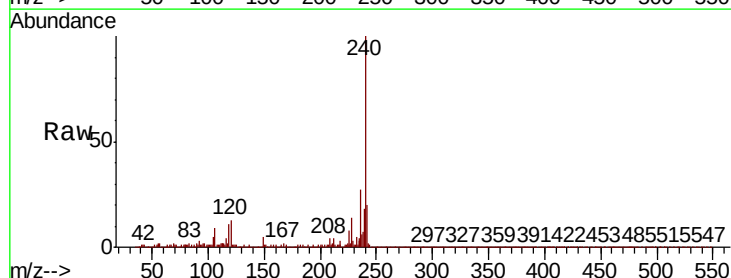
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

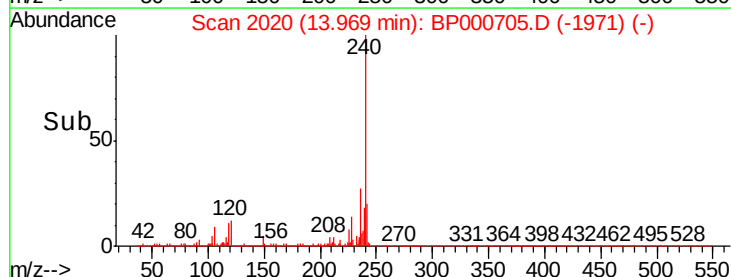
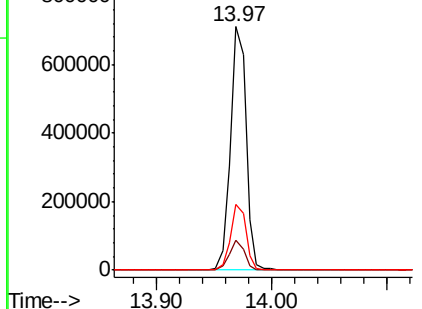
Tgt Ion:	240	Resp:	666305
Ion Ratio	Lower	Upper	
240	100		
120	12.5	10.1	15.1
236	26.7	22.7	34.1

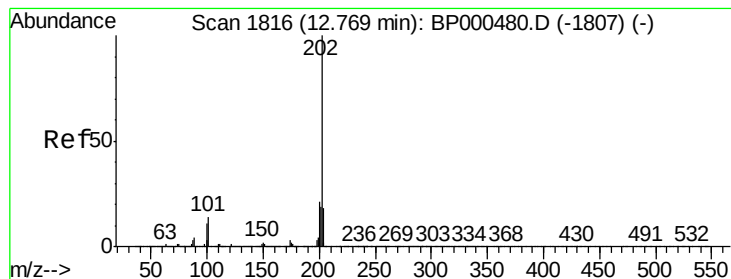


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 9.124 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

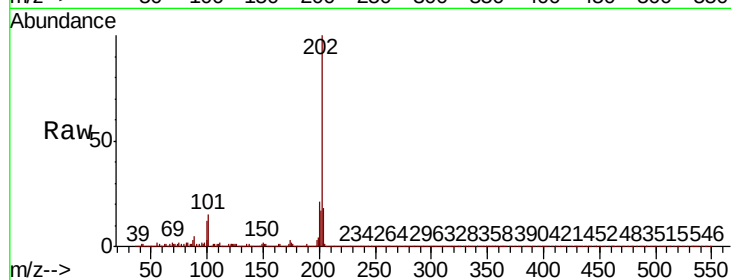
Tot Ion:202 Resp: 419273

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	18.4	14.6	21.8

202 100

200 21.1 17.1 25.7

203 18.4 14.6 21.8

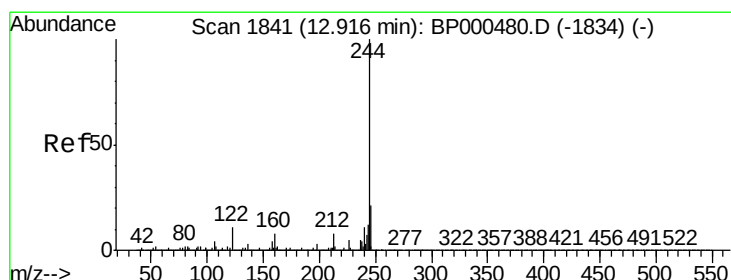
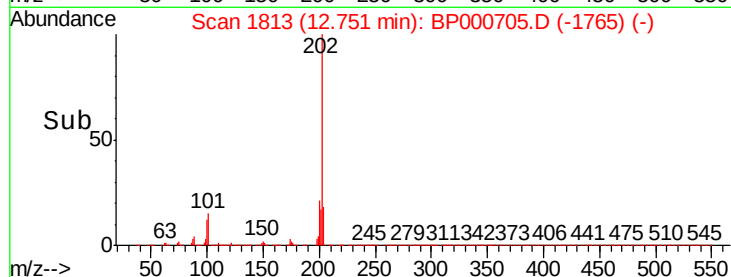
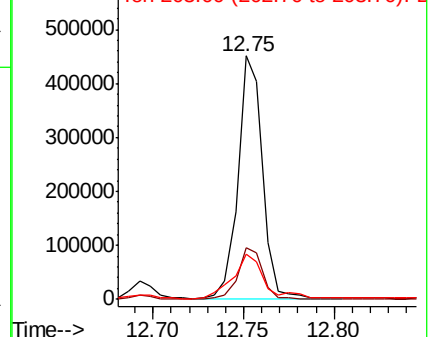


Abundance

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: 49.622 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

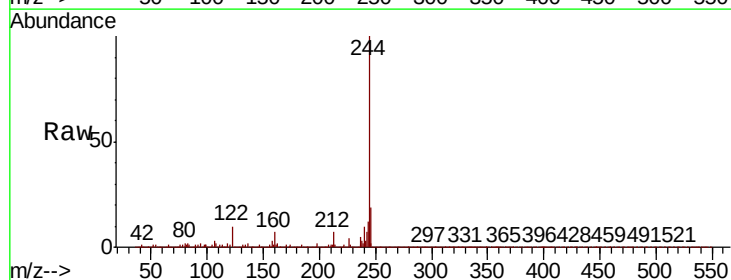
Tgt Ion:244 Resp: 1632984

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.0	8.9	13.3

244 100

212 6.9 6.0 9.0

122 10.0 8.9 13.3

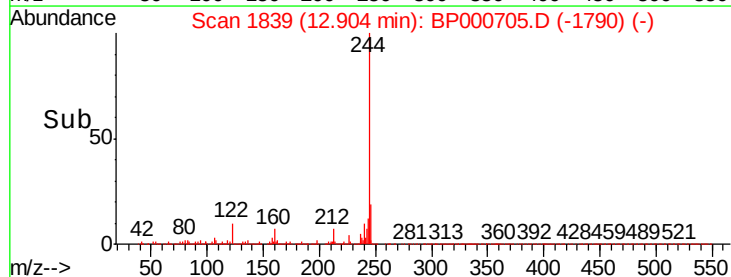
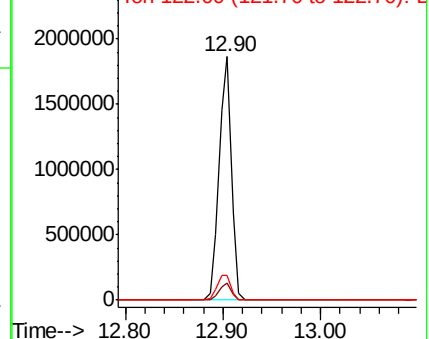


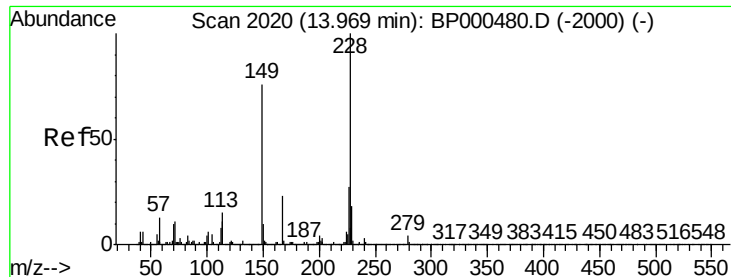
Abundance

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: 6.443 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

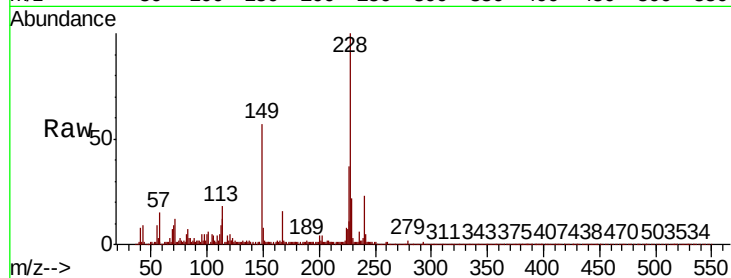
Tot Ion:228 Resp: 261925

Ion Ratio Lower Upper

228 100

226 36.5 21.4 32.2#

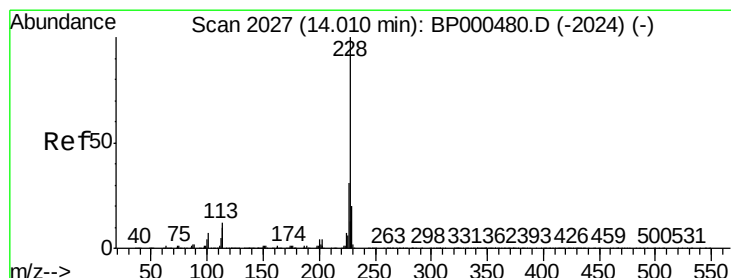
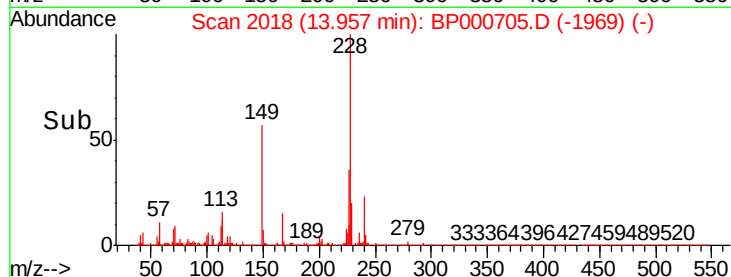
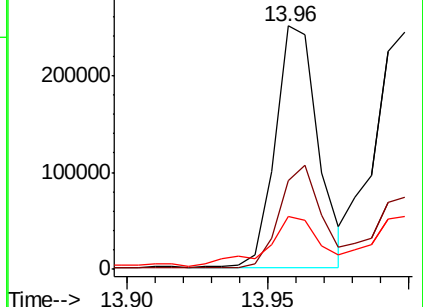
229 21.6 14.7 22.1



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: 6.547 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

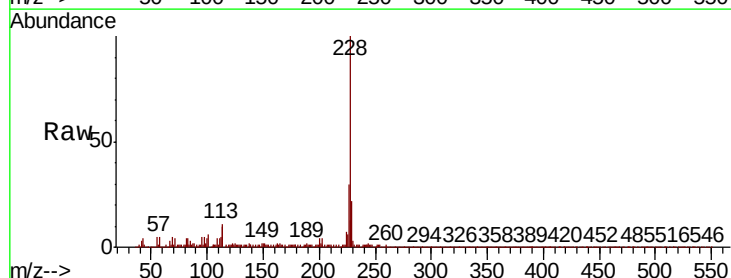
Tgt Ion:228 Resp: 261229

Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

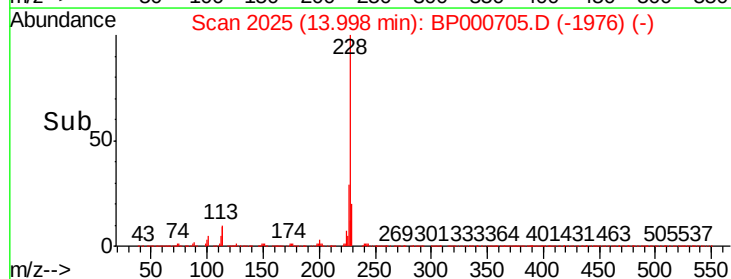
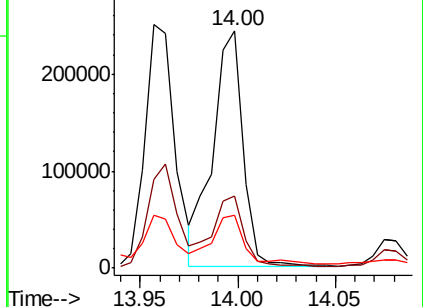
229 22.1 16.3 24.5

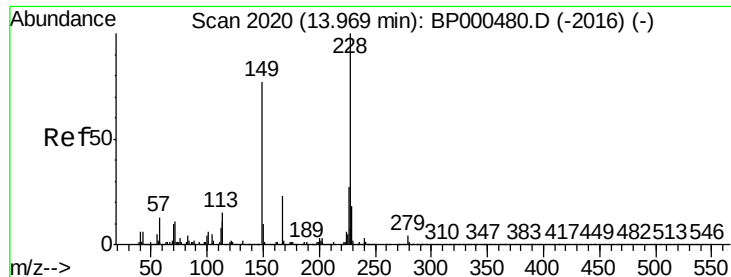


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.073 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

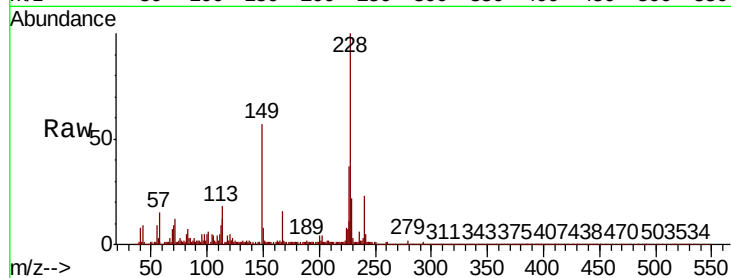
Tot Ion:149 Resp: 127769

Ion Ratio Lower Upper

149 100

167 27.8 23.6 35.4

279 3.9 3.9 5.9#

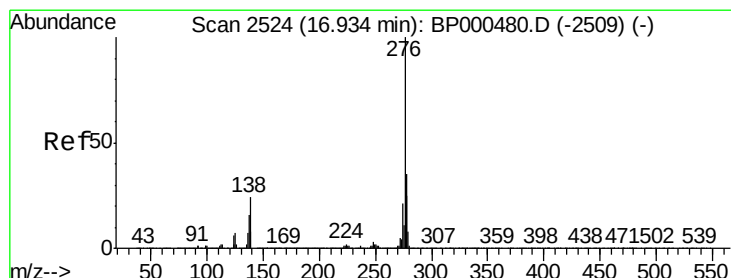
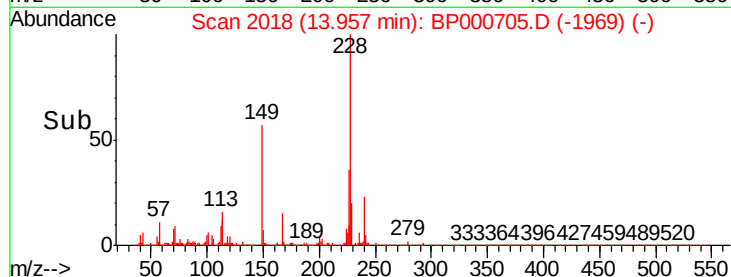
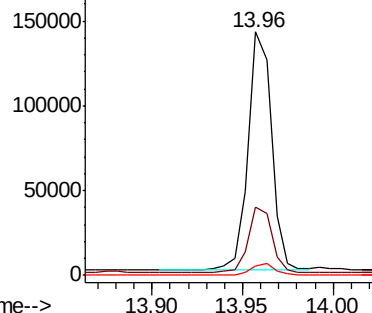


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.450 ng

RT: 16.92 min Scan# 2521

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

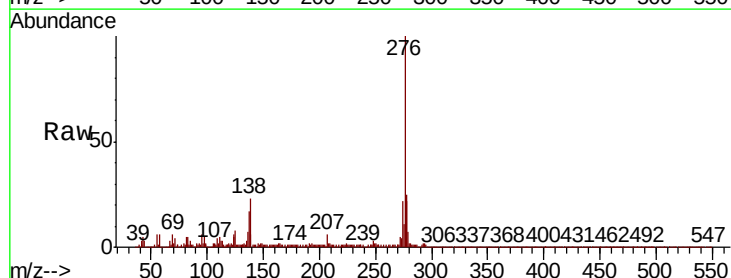
Tgt Ion:276 Resp: 171983

Ion Ratio Lower Upper

276 100

138 22.6 20.9 31.3

277 25.2 20.6 30.8

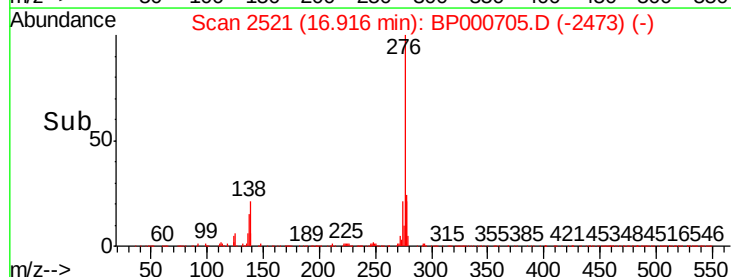
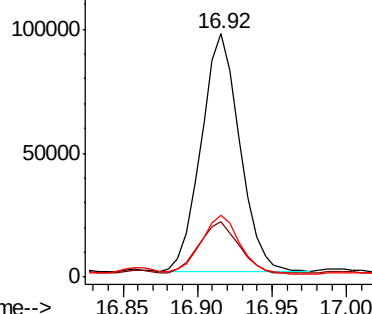


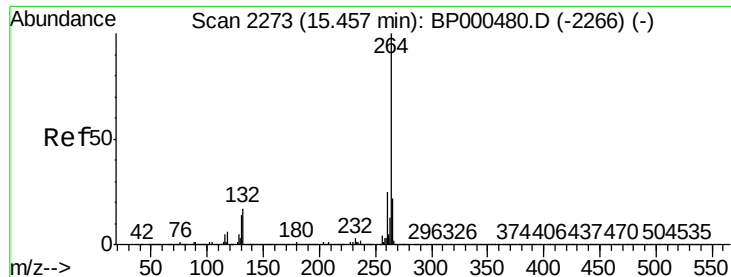
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

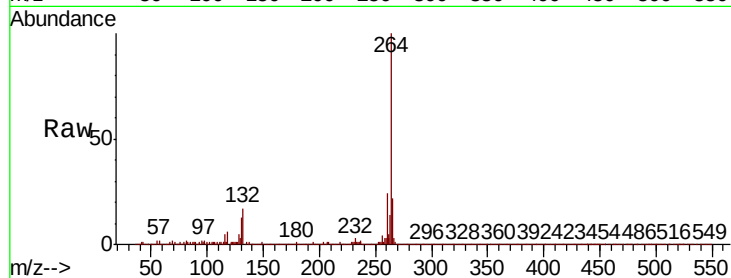
Tot Ion:264 Resp: 768536

Ion Ratio Lower Upper

264 100

260 24.4 20.3 30.5

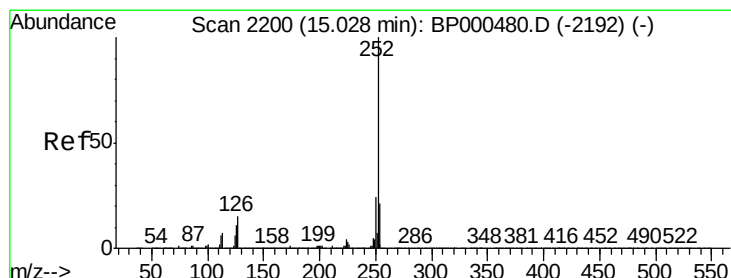
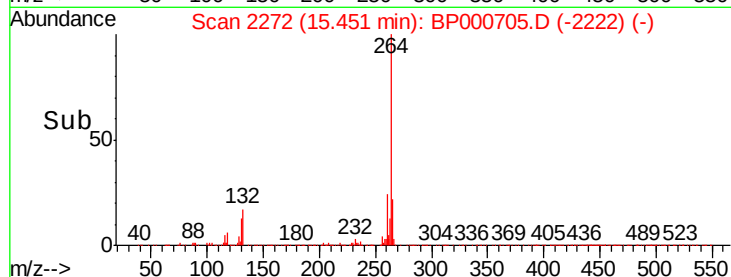
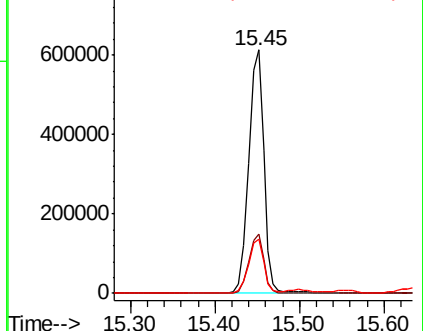
265 22.1 18.0 27.0



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: 8.231 ng m

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

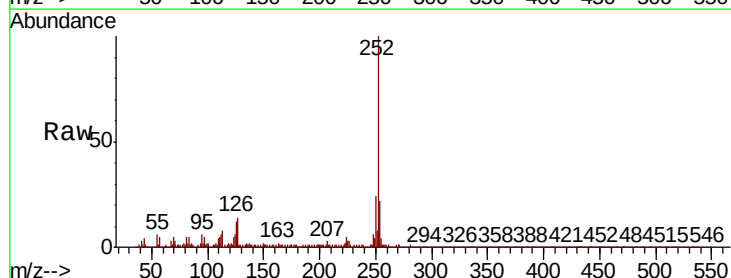
Tgt Ion:252 Resp: 358888

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

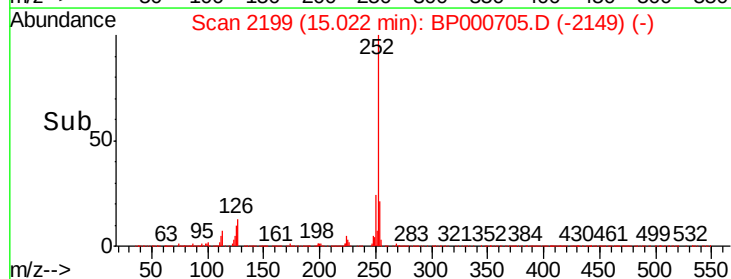
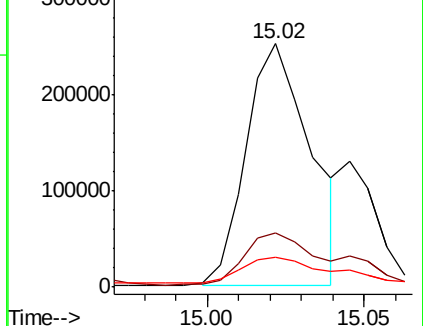
125 12.3 8.9 13.3

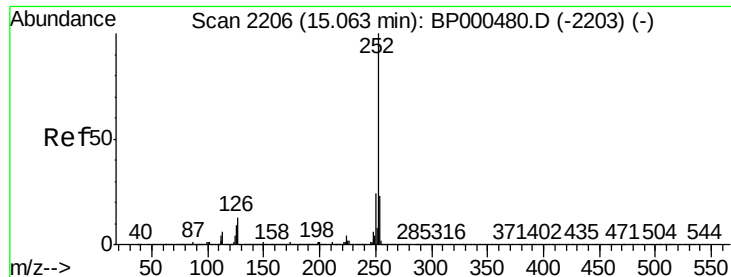


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

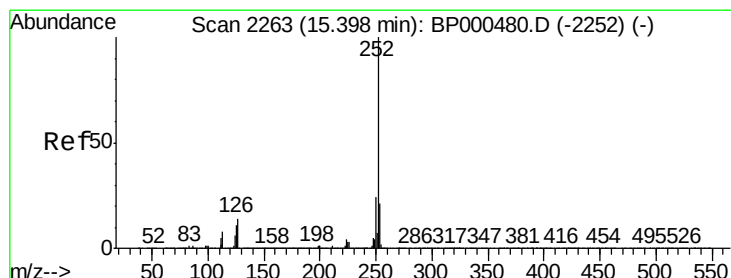
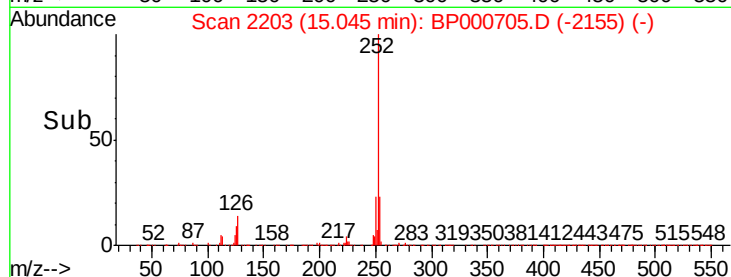
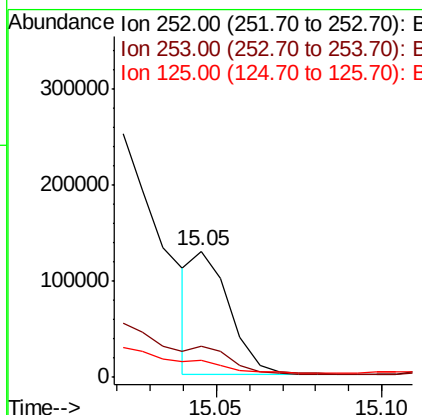
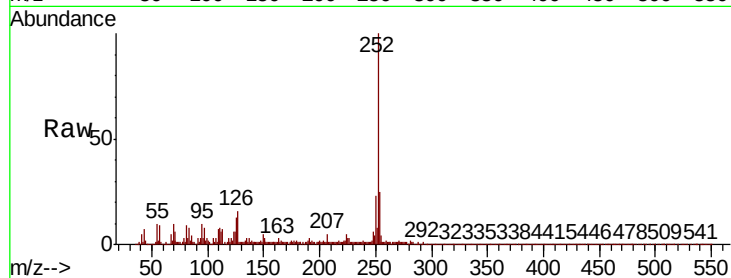




#89
Benzo(k)fluoranthene
Concen: 2.415 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

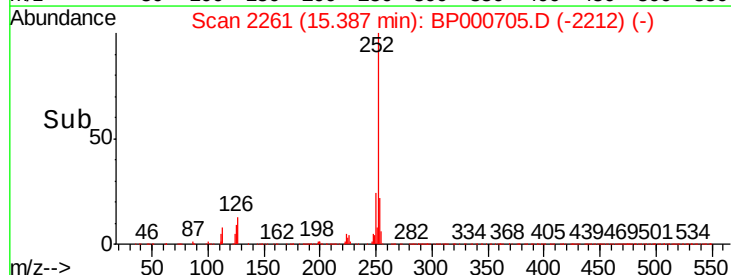
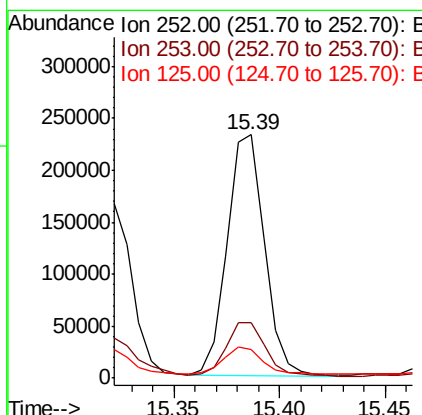
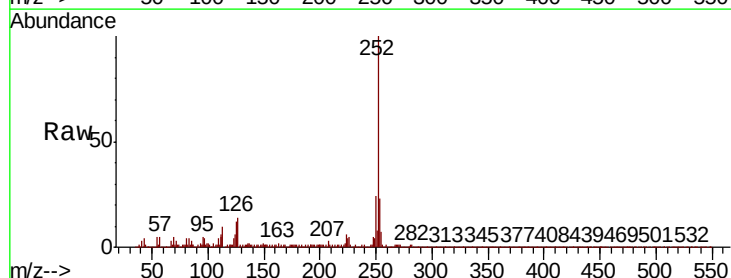
Instrument :
BNA_P
ClientSampleId :

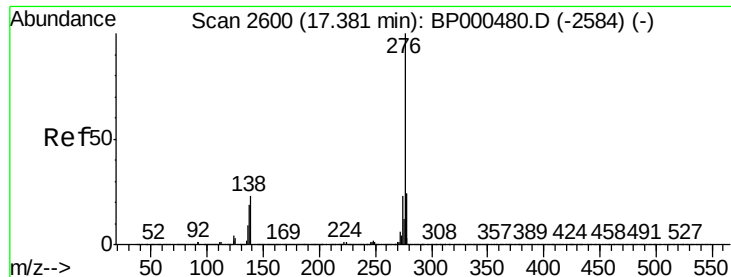
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.4	27.6
125	13.4	7.8	11.8



#90
Benzo(a)pyrene
Concen: 6.980 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.8	8.4	12.6

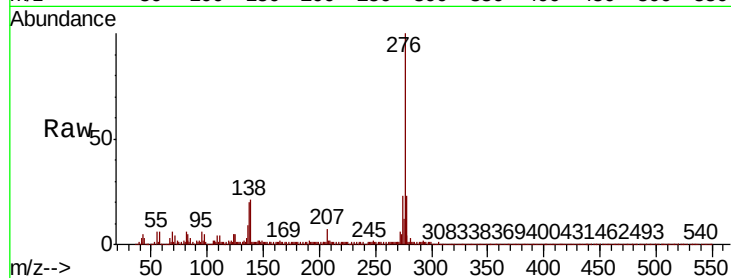




#92
 Benzo(a,h,i)perylene
 Concen: 4.558 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. -0.02 min
 Lab File: BP000705.D
 Acq: 14 Oct 2019 13:04

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.4	29.2
138	21.4	18.5	27.7



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

