

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000694.D
 Acq On : 13 Oct 2019 02:02
 Operator : JU
 Sample : K5348-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

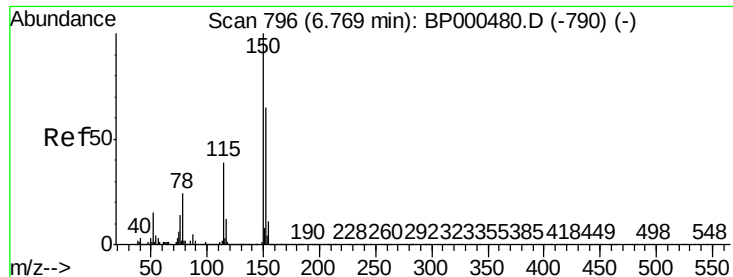
Quant Time: Oct 14 04:41:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	229688	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	815561	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	445535	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	794499	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	662708	20.00	ng	-0.01
87) Perylene-d12	15.45	264	775114	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	197739	13.84	ng	-0.02
7) Phenol-d6	6.39	99	1424977	82.76	ng	-0.02
23) Nitrobenzene-d5	7.31	82	940651	70.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	10599	2.23	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1648329	59.86	ng	-0.02
79) Terphenyl-d14	12.90	244	1851786	56.58	ng	-0.02

Target Compounds				Qvalue		
9) Benzaldehyde	6.29	77	51334	5.723	ng	97
10) Phenol	6.40	94	80304	4.555	ng	92
19) n-Nitroso-di-n-propylamine	7.31	70	118752	14.962	ng	# 73
25) Isophorone	7.31	82	938644	39.606	ng	# 61
41) Hexachlorocyclopentadiene	9.12	237	31	7.302	ng	79
49) Acenaphthylene	9.65	152	79494	2.026	ng	100
50) Dimethylphthalate	9.51	163	337174	10.891	ng	99
57) 2,4-Dinitrotoluene	9.79	165	59477	6.645	ng	# 32
71) Phenanthrene	11.32	178	139981	3.508	ng	99
72) Anthracene	11.37	178	100350	2.536	ng	99
75) Fluoranthene	12.52	202	538494	12.016	ng	99
78) Pylene	12.75	202	523902	11.462	ng	99
81) Benzo(a)anthracene	13.96	228	330786	8.181	ng	# 83
83) Chrysene	13.99	228	290868	7.329	ng	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	150718	6.017	ng	97
86) Indeno(1,2,3-cd)pyrene	16.91	276	196648	3.967	ng	96
88) Benzo(b)fluoranthene	15.02	252	556805	12.662	ng	96
89) Benzo(k)fluoranthene	15.02	252	556805	13.300	ng	# 97
90) Benzo(a)pyrene	15.38	252	334850	8.169	ng	# 95
92) Benzo(a,h,i)perylene	17.35	276	205857	5.096	ng	99

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

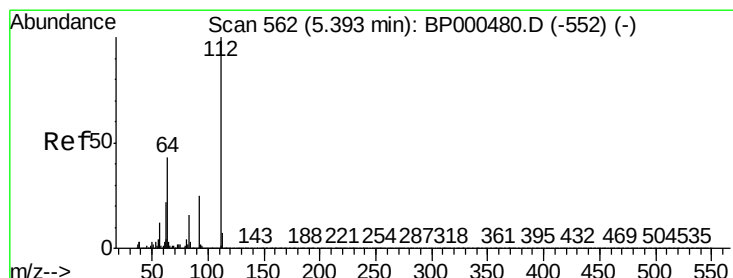
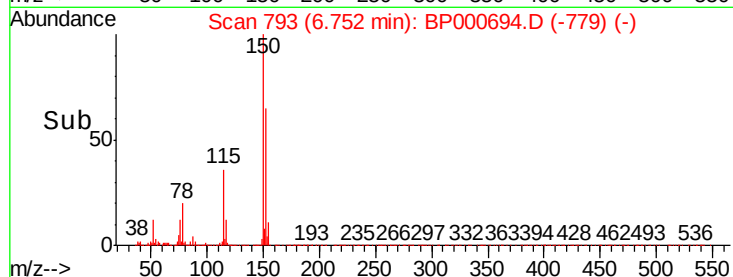
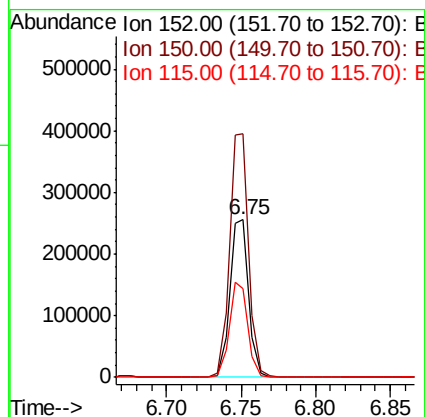
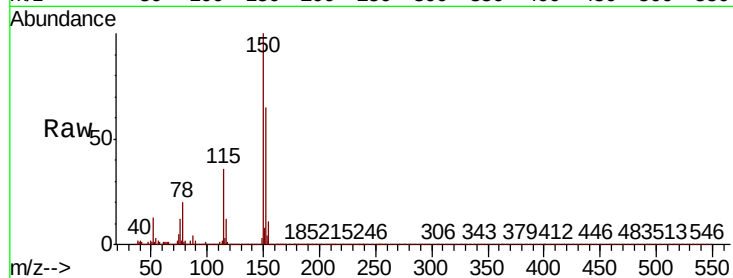


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

Instrument :
BNA_P
ClientSampleId :

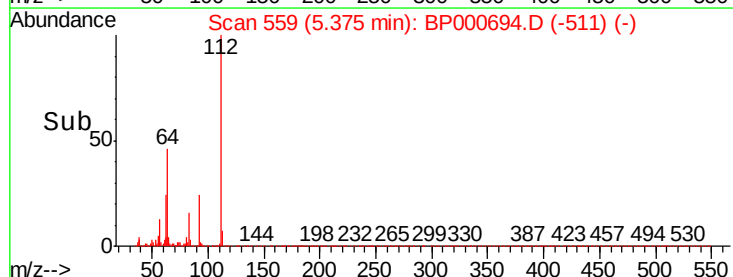
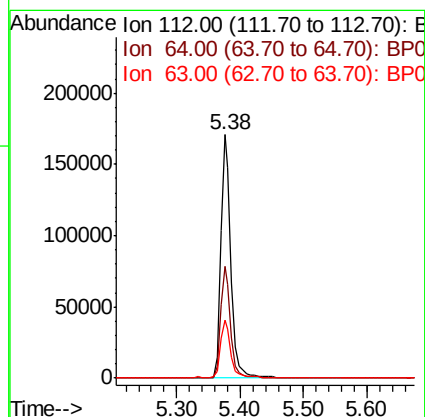
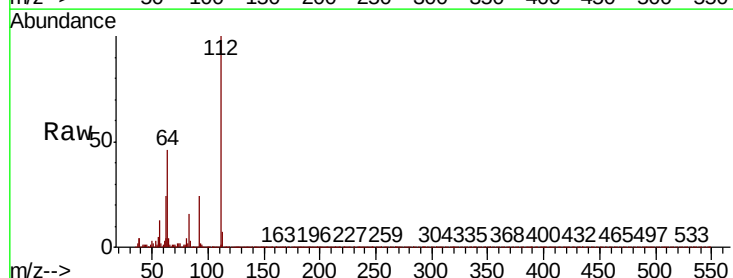
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.1	186.1
115	56.5	48.7	73.1

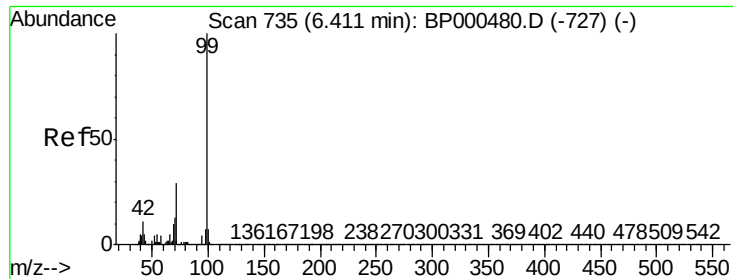


#5

2-Fluorophenol
Concen: 13.839 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.8	34.2	51.4
63	23.8	17.9	26.9





#7

Phenol-d6

Concen: 82.757 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

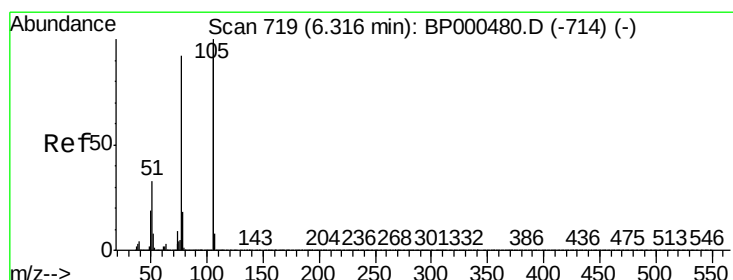
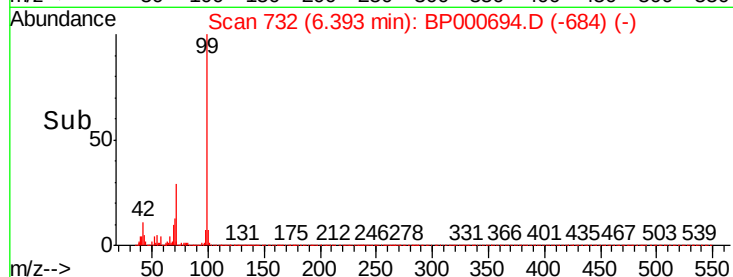
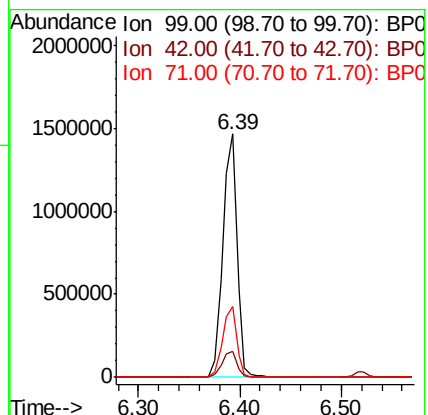
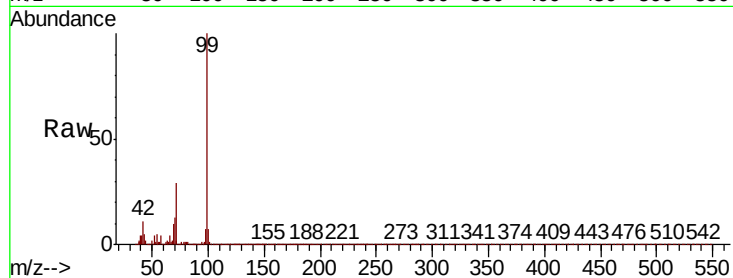
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1424977

Ion	Ratio	Lower	Upper
99	100		
42	10.8	8.6	12.8
71	29.0	23.0	34.4



#9

Benzaldehyde

Concen: 5.723 ng

RT: 6.29 min Scan# 715

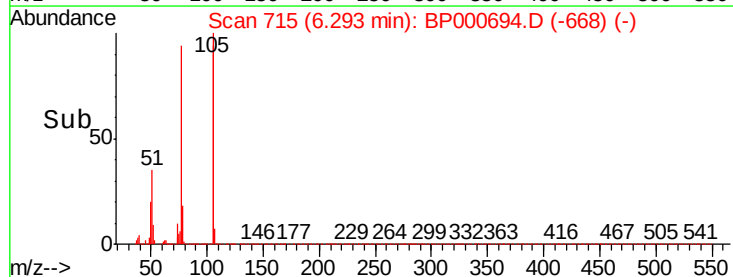
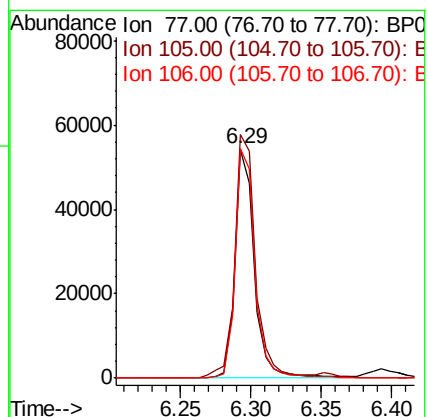
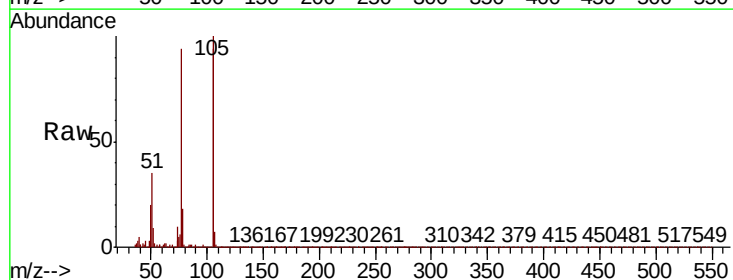
Delta R.T. -0.02 min

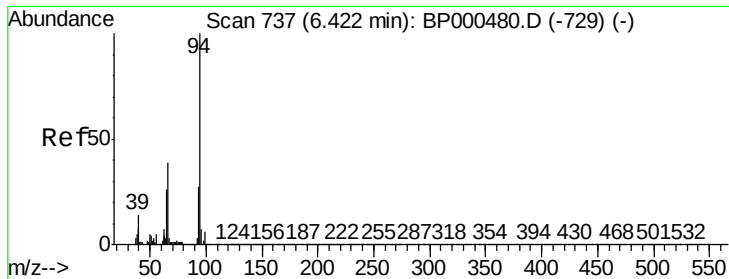
Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

Tgt Ion: 77 Resp: 51334

Ion	Ratio	Lower	Upper
77	100		
105	106.6	88.3	128.3
106	100.7	85.7	125.7





#10

Phenol

Concen: 4.555 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

Instrument :

BNA_P

ClientSampleId :

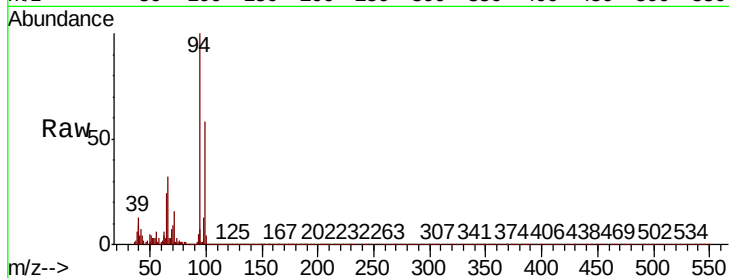
Tot Ion: 94 Resp: 80304

Ion Ratio Lower Upper

94 100

65 23.7 5.9 45.9

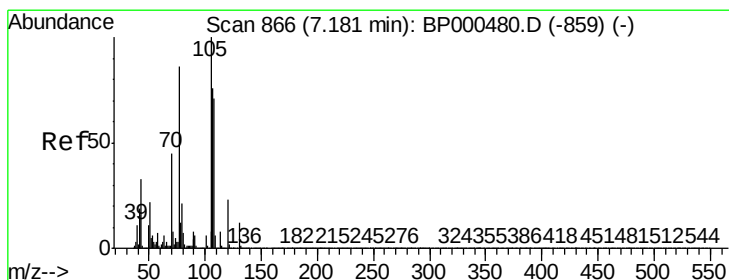
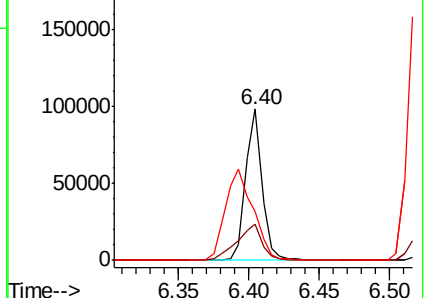
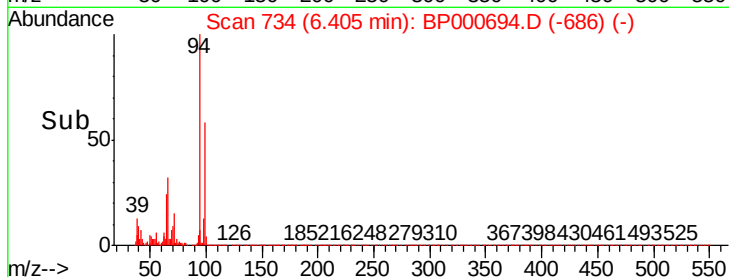
66 32.4 18.8 58.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.962 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

Tgt Ion: 70 Resp: 118752

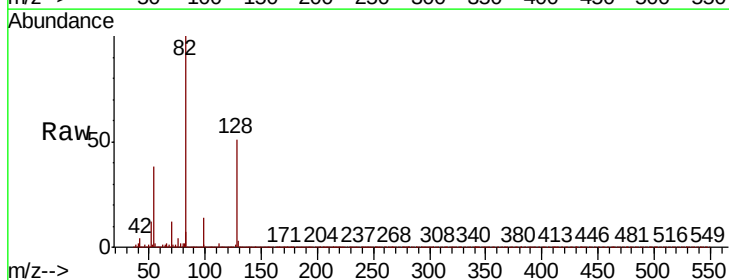
Ion Ratio Lower Upper

70 100

42 33.8 33.2 49.8

101 0.1 9.9 14.9#

130 2.5 21.8 32.8#

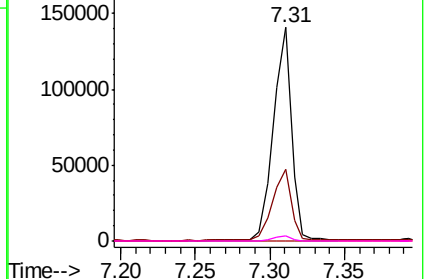
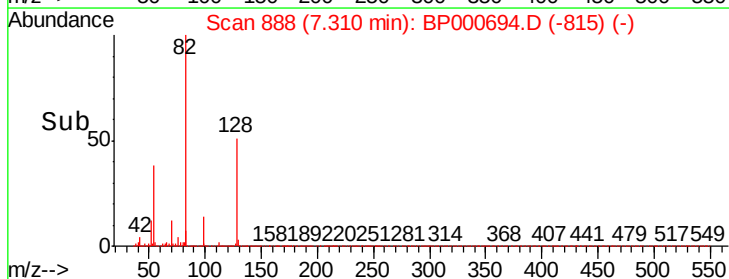


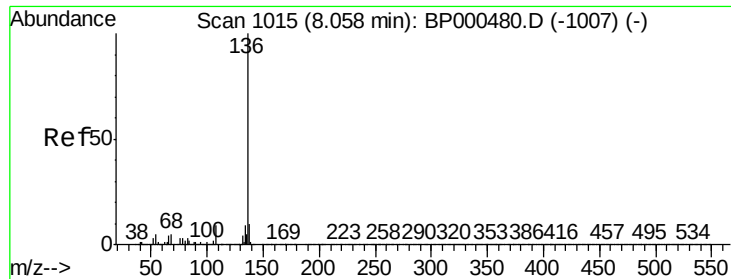
Abundance Ion 70.00 (69.70 to 70.70): BP0

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

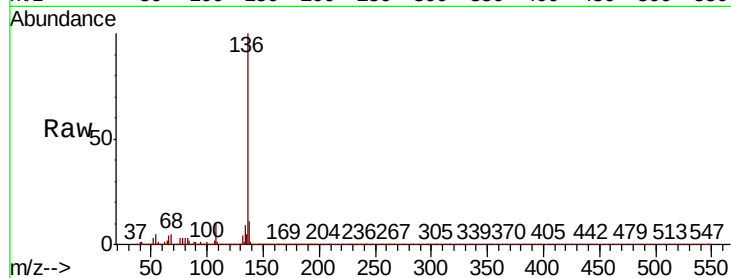




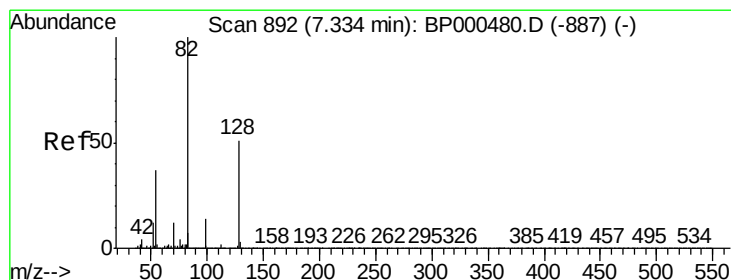
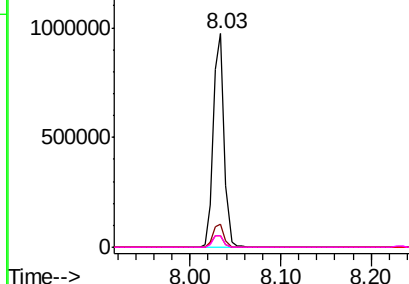
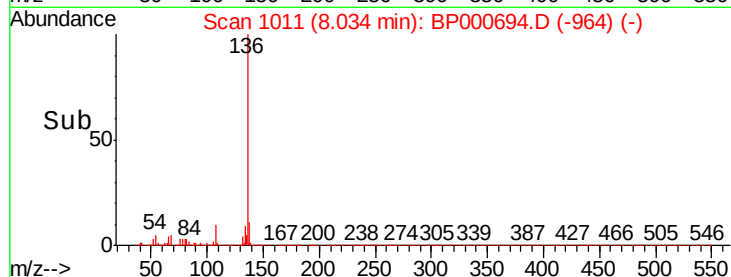
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136	Resp:	815561
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.2 12.4
54	5.4	4.1 6.1
68	5.3	4.1 6.1

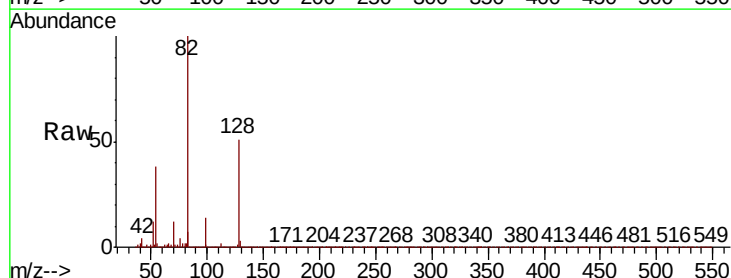


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

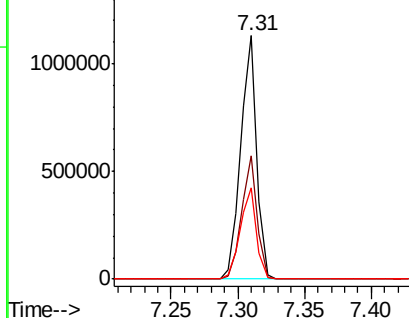
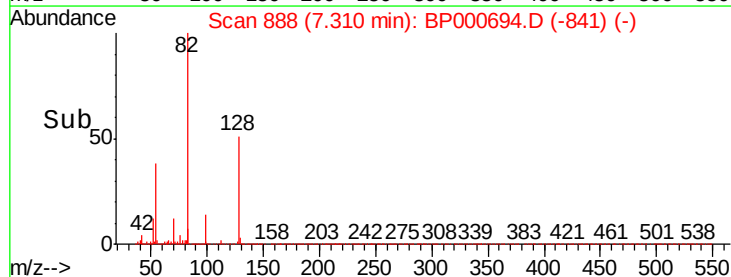


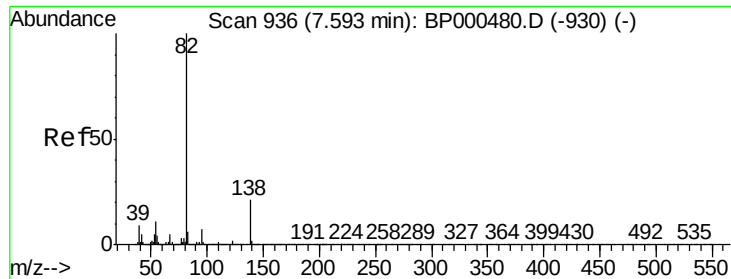
#23
Nitrobenzene-d5
Concen: 70.443 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

Tgt Ion: 82	Resp:	940651
Ion	Ratio	Lower Upper
82	100	
128	50.6	40.9 61.3
54	37.6	29.4 44.2



Abundance Ion 82.00 (81.70 to 82.70): BP0
1500000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0





#25

Isophorone

Concen: 39.606 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

Instrument :

BNA_P

ClientSampled :

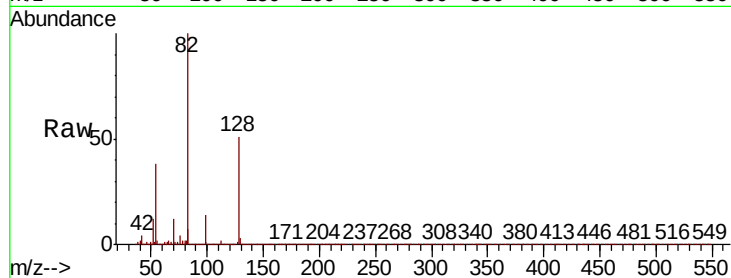
Tot Ion: 82 Resp: 938644

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

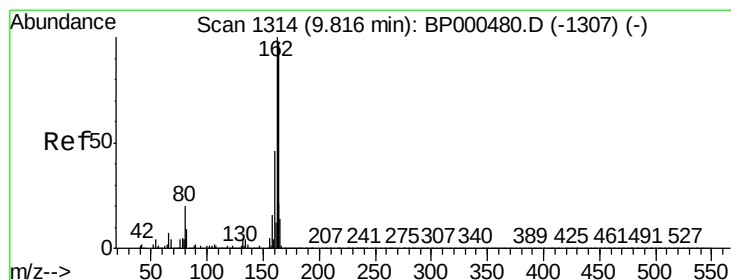
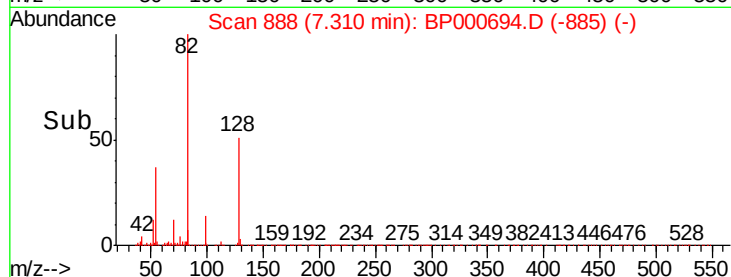
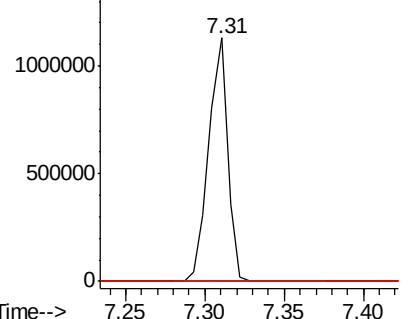
138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP000694.D (-885) (-)

Ion 95.00 (94.70 to 95.70): BP000694.D (-885) (-)

Ion 138.00 (137.70 to 138.70): BP000694.D (-885) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

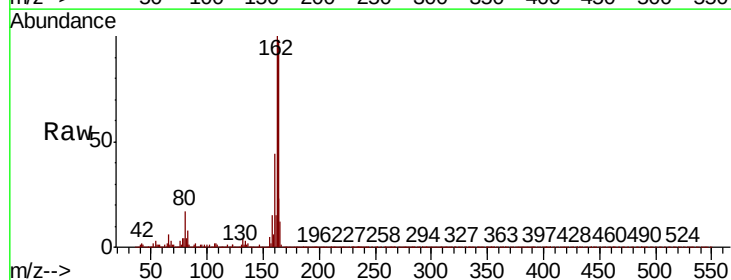
Tgt Ion: 164 Resp: 445535

Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.2

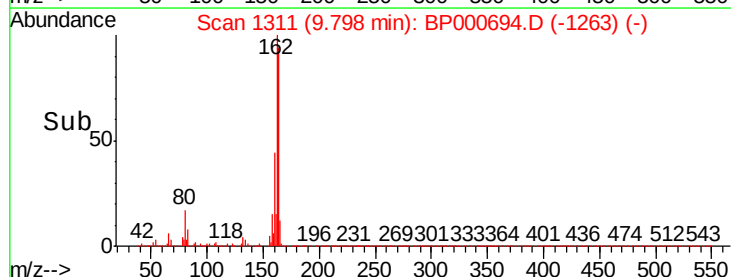
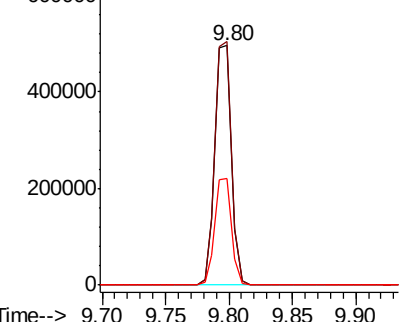
160 44.6 37.6 56.4

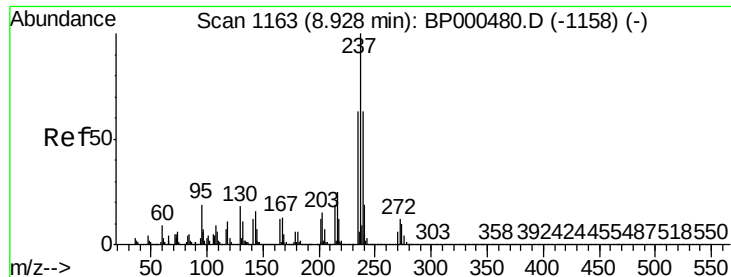


Abundance Ion 164.00 (163.70 to 164.70): BP000694.D (-1263) (-)

Ion 162.00 (161.70 to 162.70): BP000694.D (-1263) (-)

Ion 160.00 (159.70 to 160.70): BP000694.D (-1263) (-)





#41

Hexachlorocyclopentadiene

Concen: 7.302 ng

RT: 9.12 min Scan# 1196

Delta R.T. 0.19 min

Lab File: BP000694.D

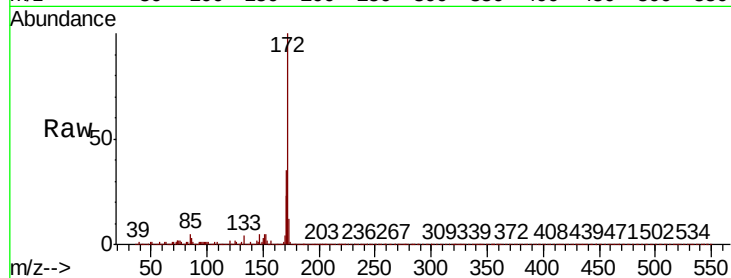
Acq: 13 Oct 2019 02:02

Instrument :

BNA_P

ClientSampleId :

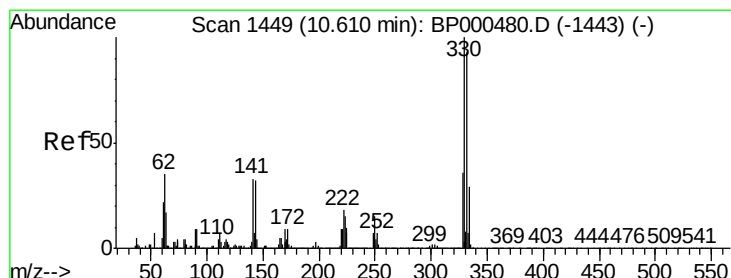
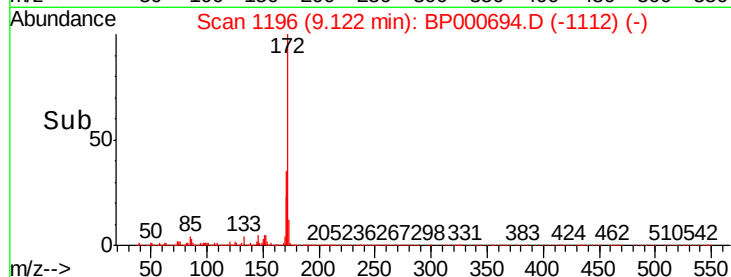
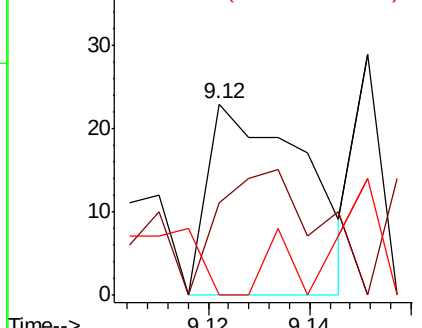
Tot Ion:	237	Resp:	31
Ion	Ratio	Lower	Upper
237	100		
235	47.8	42.9	82.9
272	0.0	0.0	32.4



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: 2.232 ng

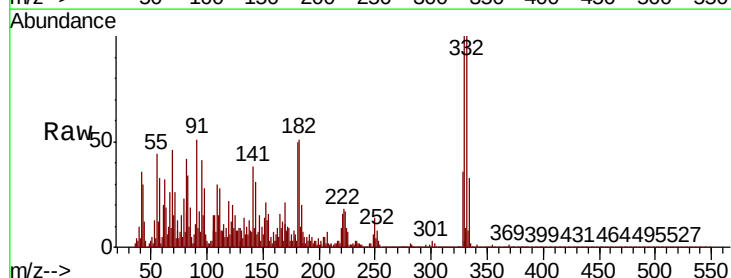
RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

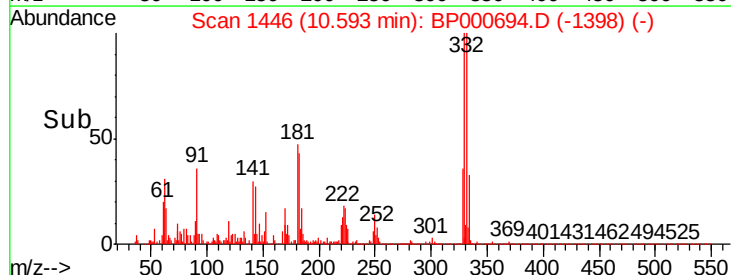
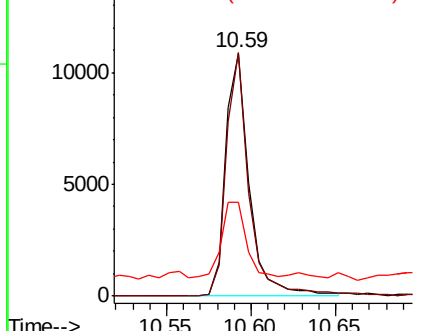
Tgt Ion:	330	Resp:	10599
Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.1	115.7
141	33.2	26.0	39.0

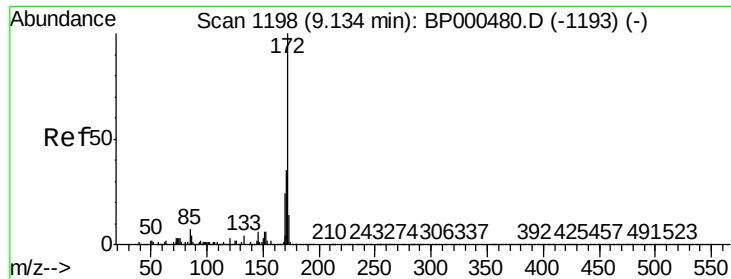


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

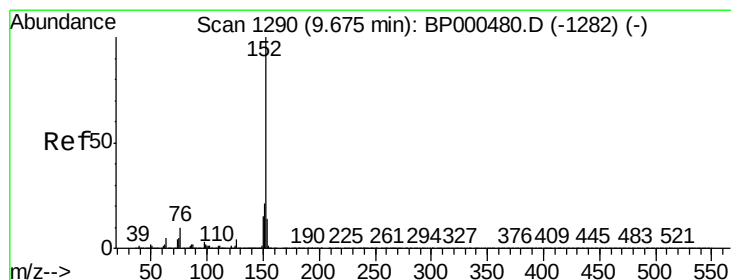
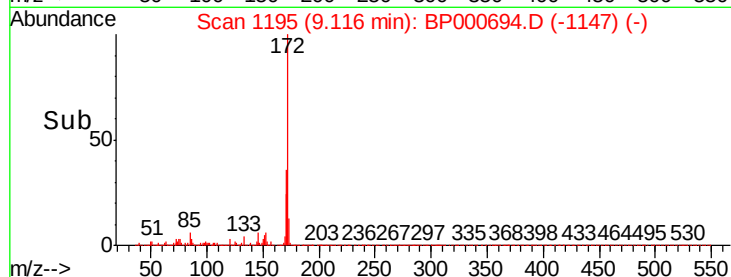
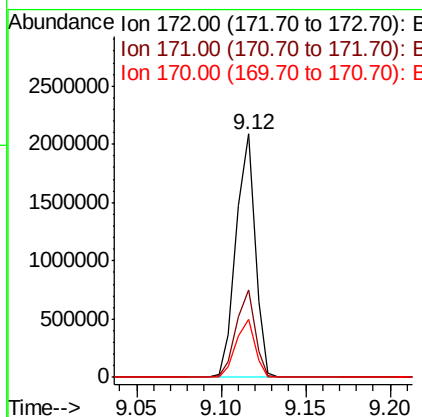
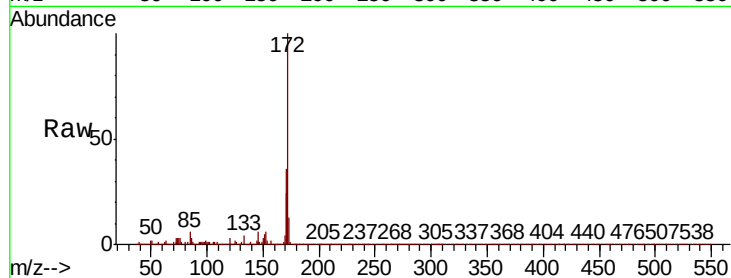




#45
2-Fluorobiphenyl
Concen: 59.860 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

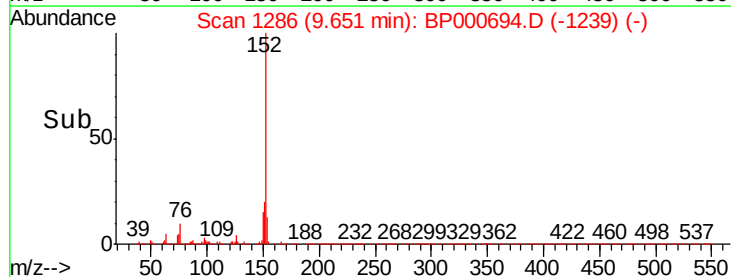
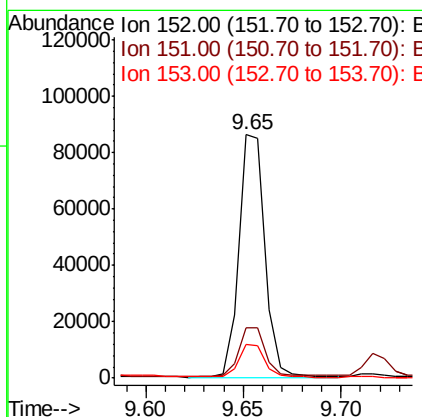
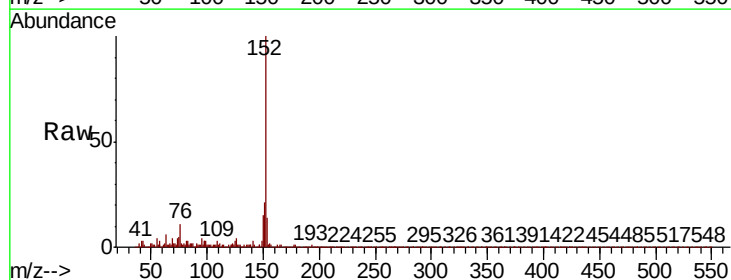
Instrument :
BNA_P
ClientSampleId :

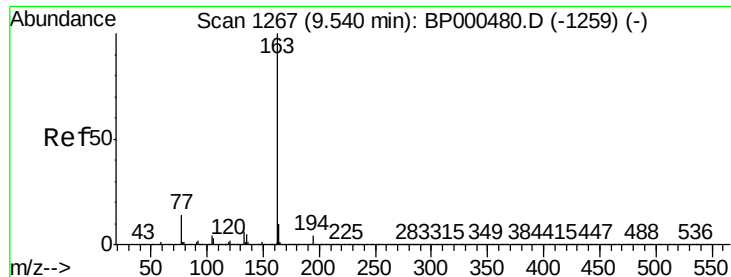
Tot Ion:172 Resp: 1648329
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 24.0 19.1 28.7



#49
Acenaphthylene
Concen: 2.026 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

Tgt Ion:152 Resp: 79494
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0
153 14.0 11.0 16.6

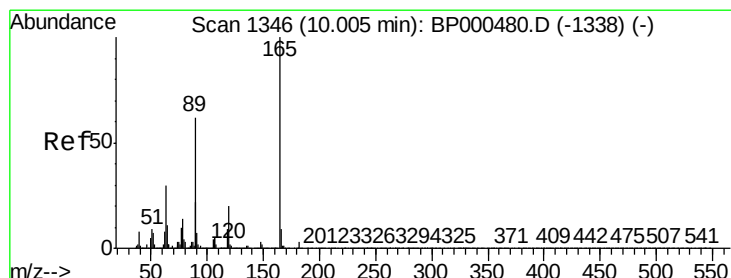
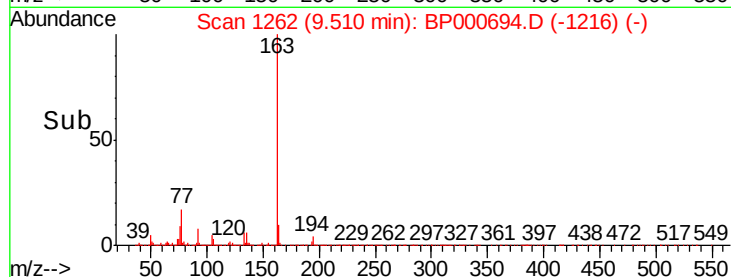
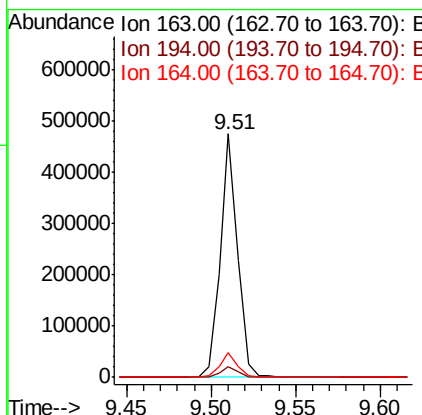
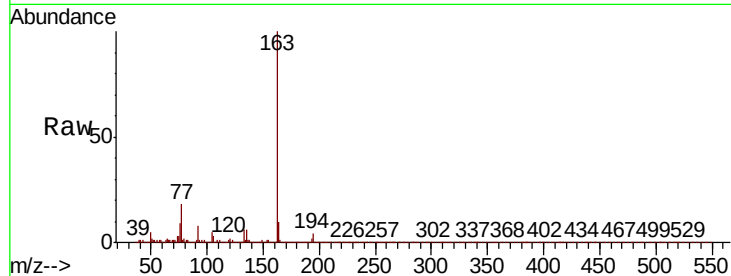




#50
Dimethylphthalate
Concen: 10.891 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

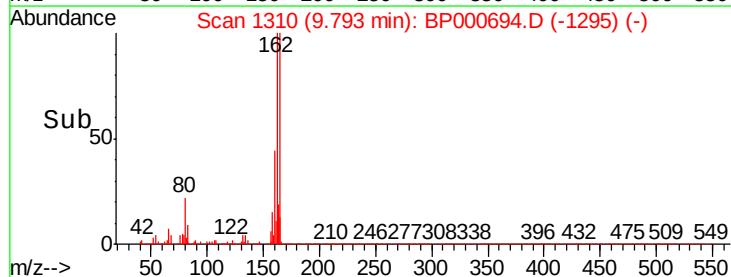
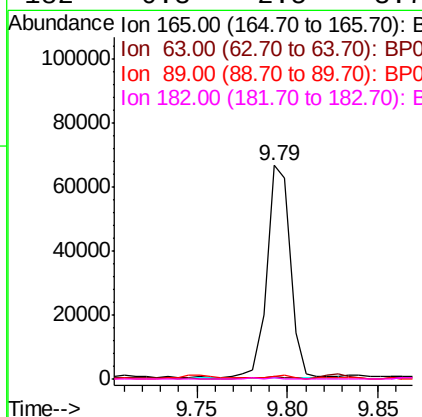
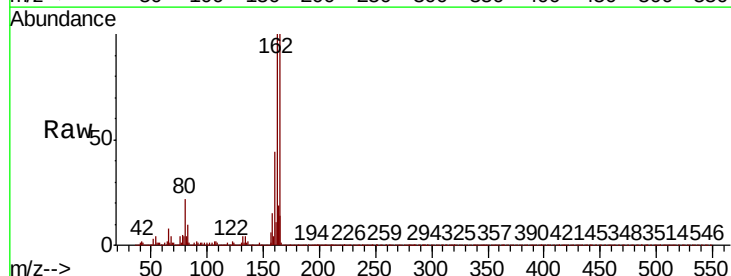
Instrument :
BNA_P
ClientSampleId :

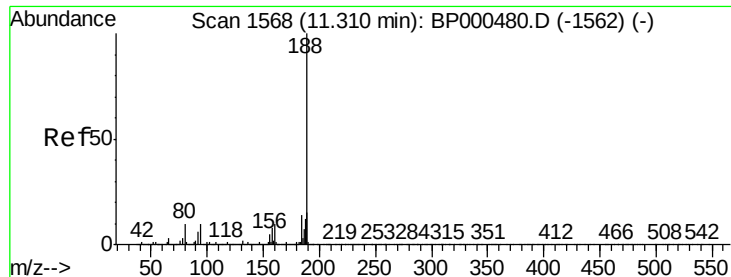
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.2	8.0	12.0



#57
2,4-Dinitrotoluene
Concen: 6.645 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.21 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	24.2	36.4#
89	1.4	49.4	74.0#
182	0.3	2.5	3.7#

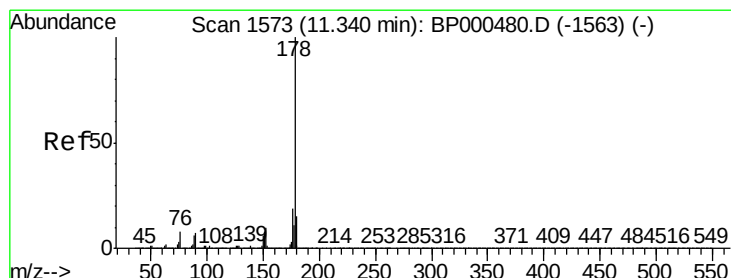
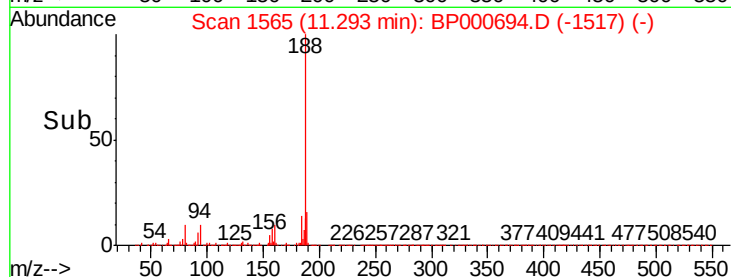
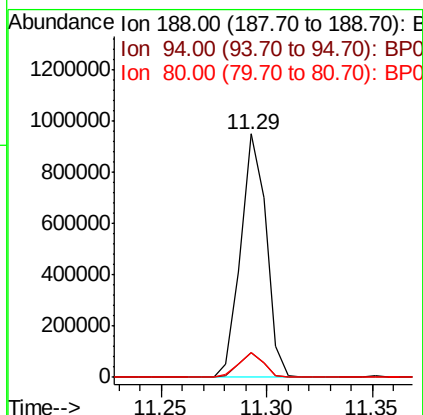
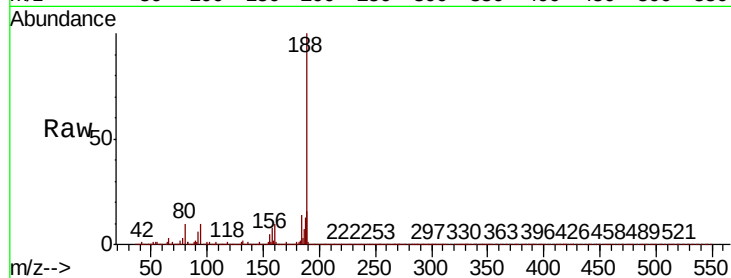




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

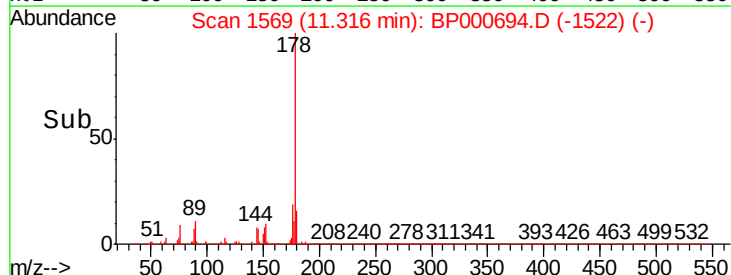
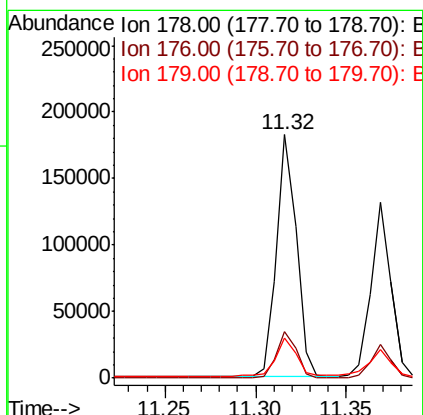
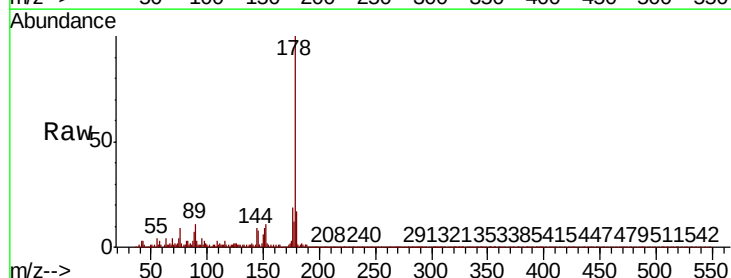
Instrument :
BNA_P
ClientSampleId :

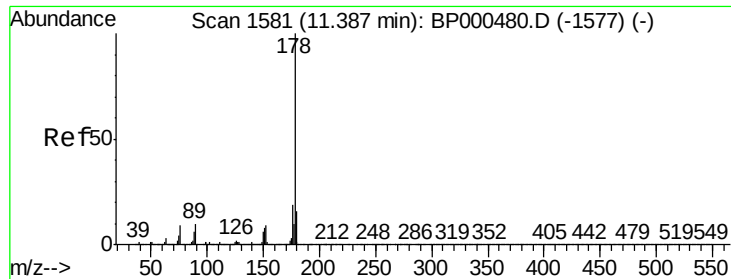
Tot Ion:188 Resp: 794499
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.2
80 10.4 8.3 12.5



#71
Phenanthrene
Concen: 3.508 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

Tgt Ion:178 Resp: 139981
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 16.5 12.2 18.4





#72

Anthracene

Concen: 2.536 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

Instrument :

BNA_P

ClientSampleId :

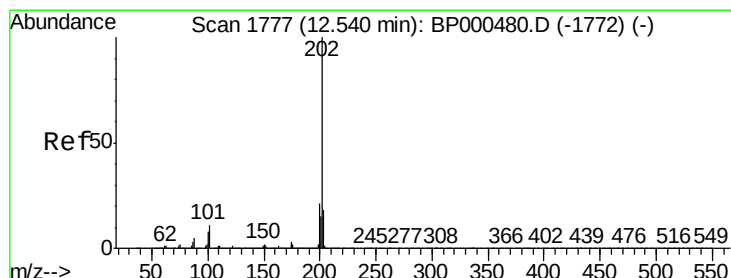
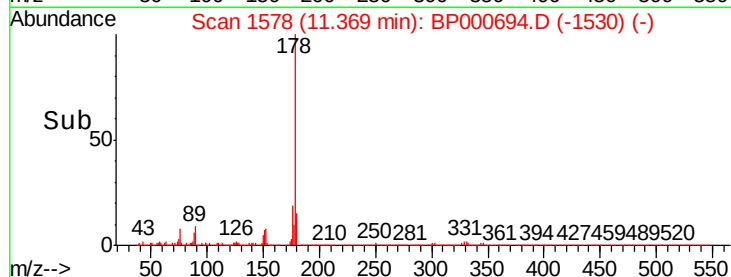
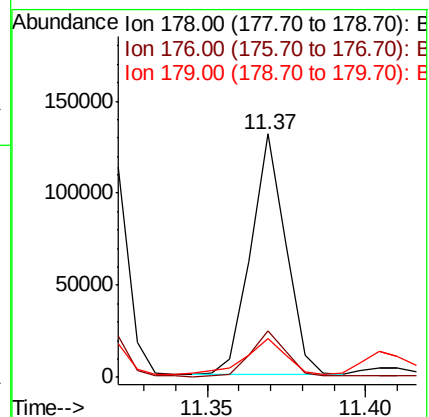
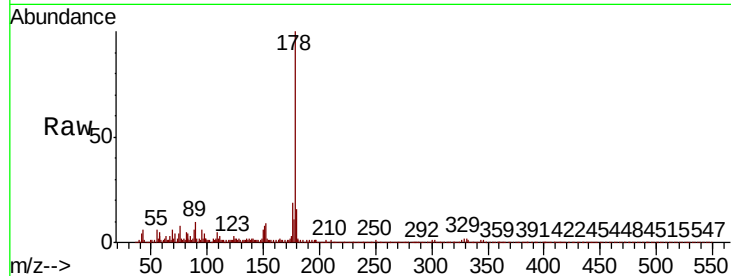
Tot Ion:178 Resp: 100350

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	16.2	12.6	19.0

178 100

176 18.8 15.4 23.0

179 16.2 12.6 19.0



#75

Fluoranthene

Concen: 12.016 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

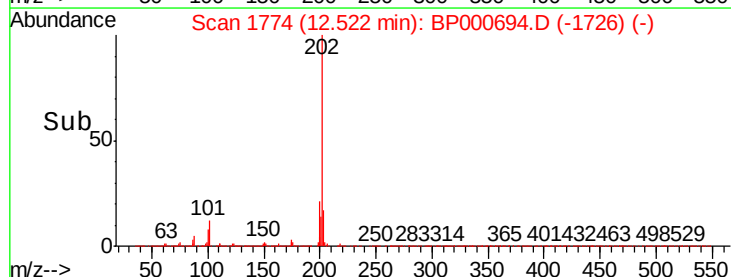
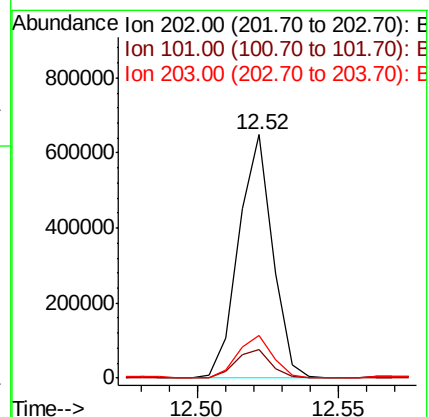
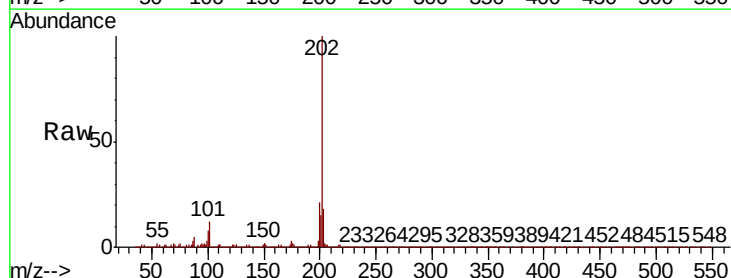
Tgt Ion:202 Resp: 538494

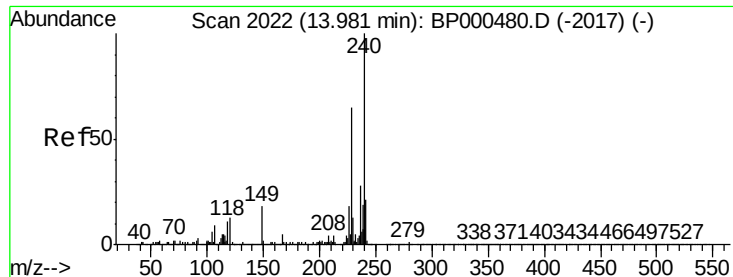
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.3
203	17.6	0.0	38.1

202 100

101 11.7 0.0 31.3

203 17.6 0.0 38.1

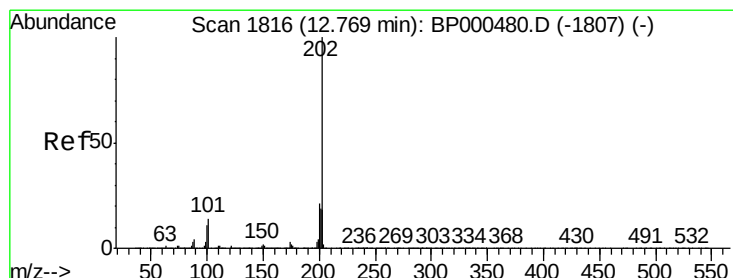
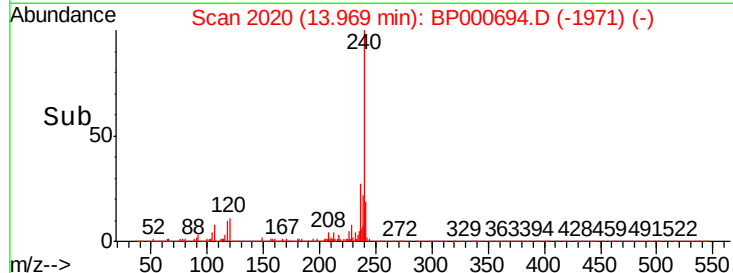
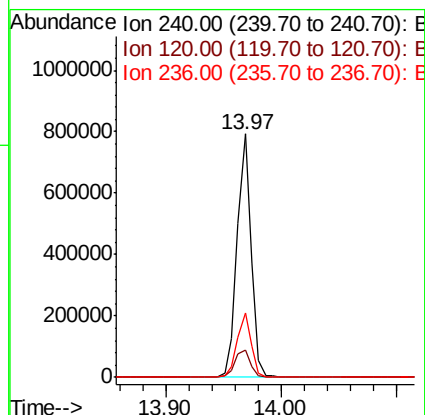
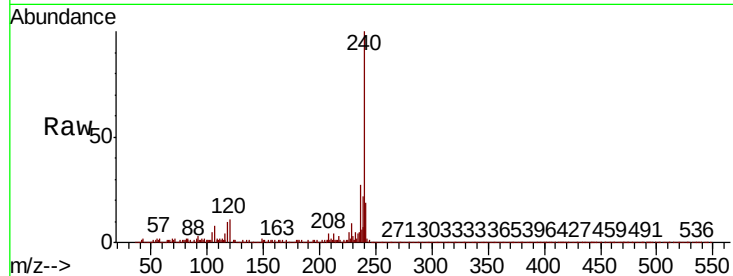




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

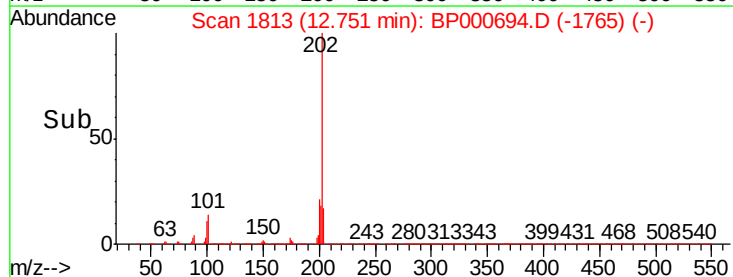
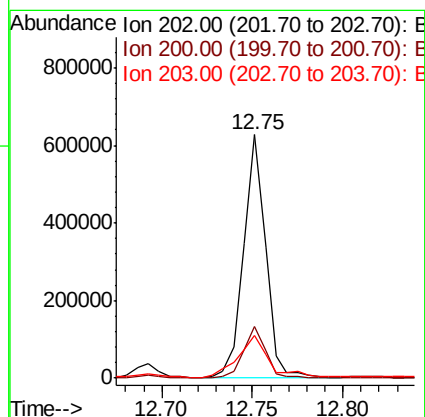
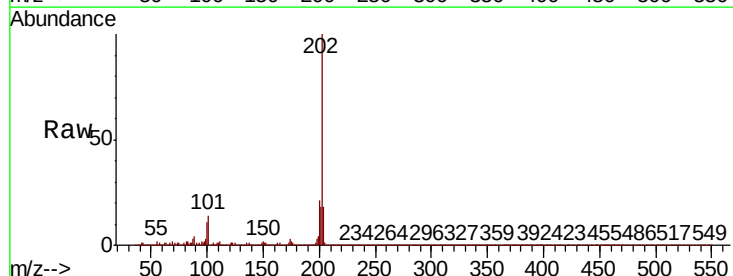
Instrument :
BNA_P
ClientSampleId :

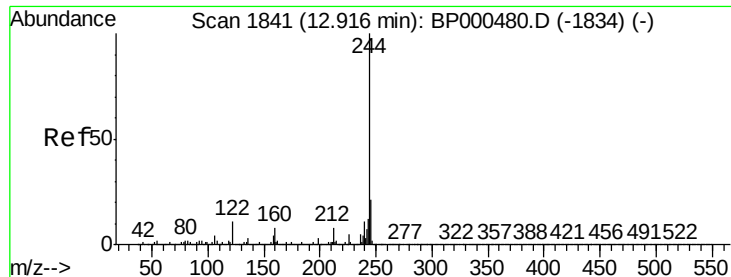
Tot Ion:240 Resp: 662708
Ion Ratio Lower Upper
240 100
120 11.4 10.1 15.1
236 26.7 22.7 34.1



#78
Pyrene
Concen: 11.462 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000694.D
Acq: 13 Oct 2019 02:02

Tgt Ion:202 Resp: 523902
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.7 14.6 21.8





#79

Terphenyl-d14

Concen: 56.576 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

Instrument :

BNA_P

ClientSampleId :

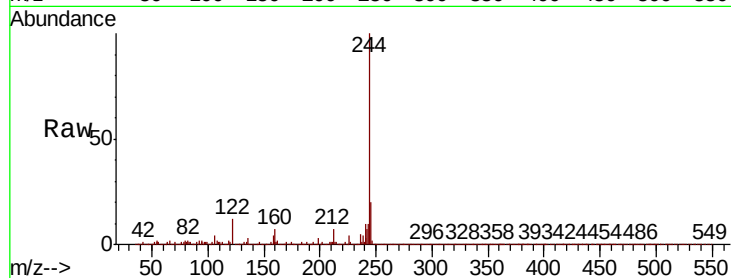
Tot Ion:244 Resp: 1851786

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

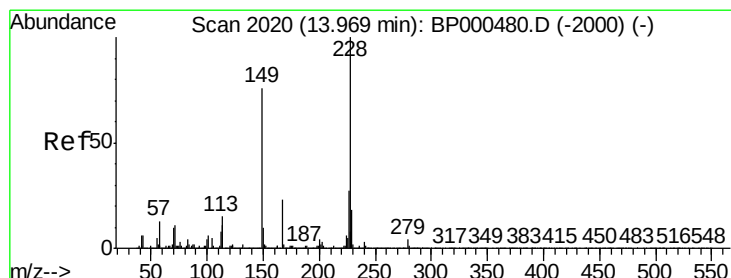
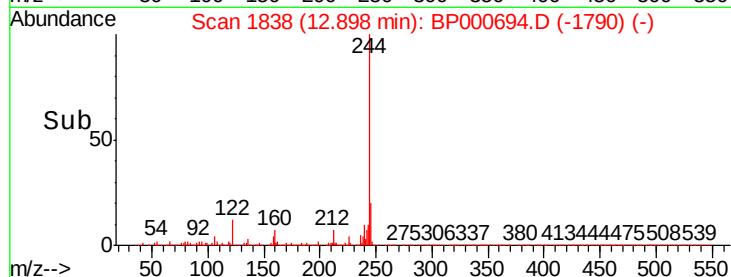
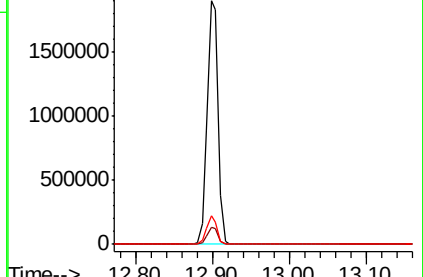
122 11.9 8.9 13.3



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: 8.181 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

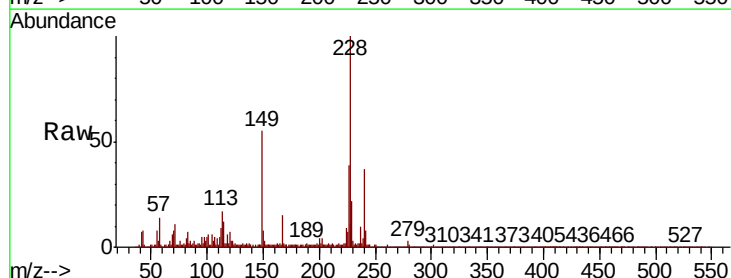
Tgt Ion:228 Resp: 330786

Ion Ratio Lower Upper

228 100

226 39.1 21.4 32.2#

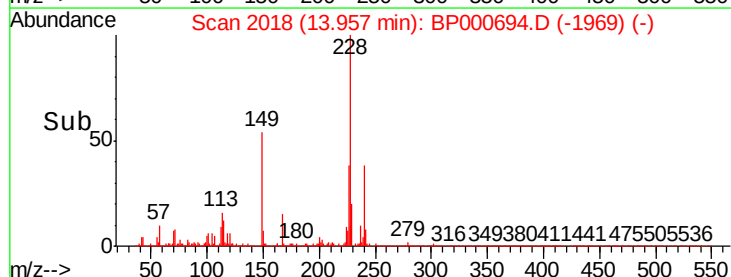
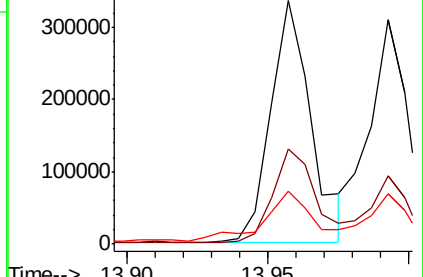
229 21.6 14.7 22.1

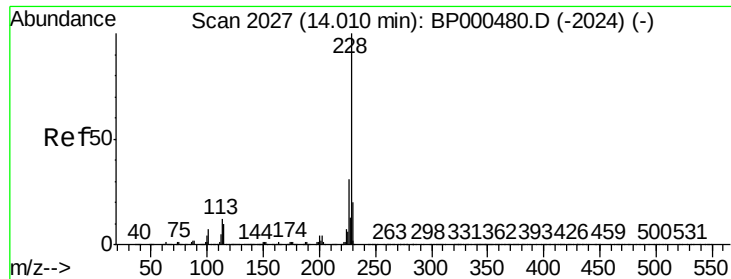


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

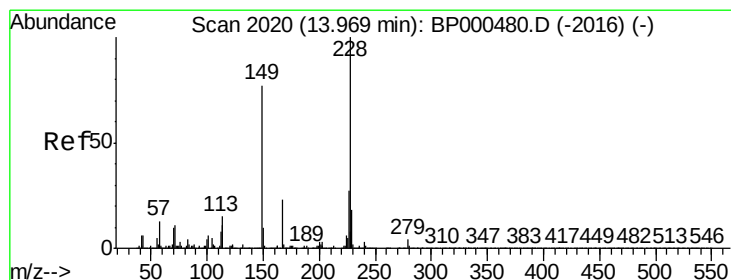
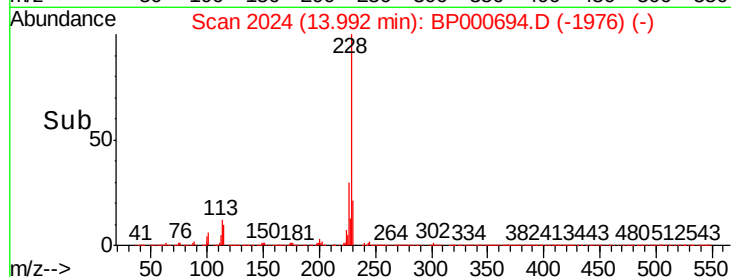
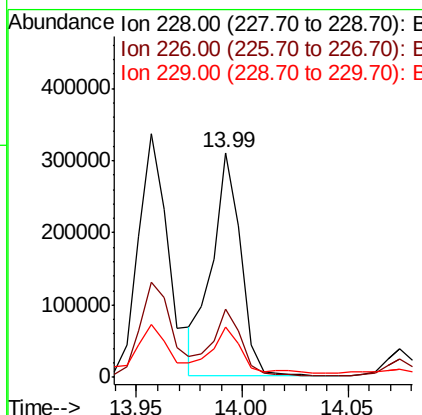
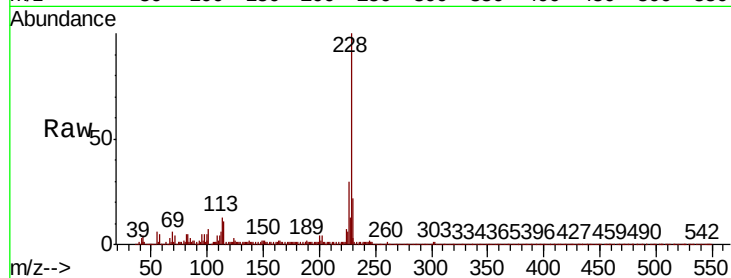




#83
 Chrysene
 Concen: 7.329 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BP000694.D
 Acq: 13 Oct 2019 02:02

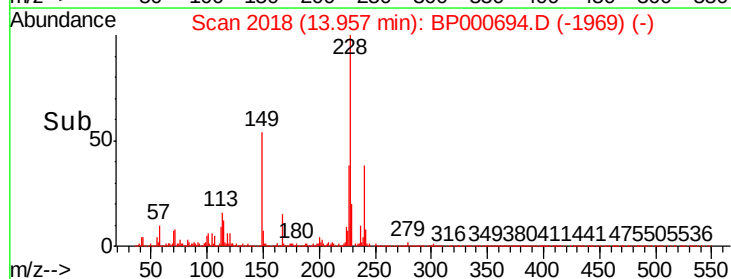
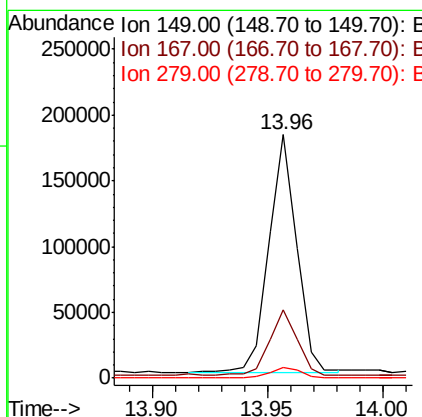
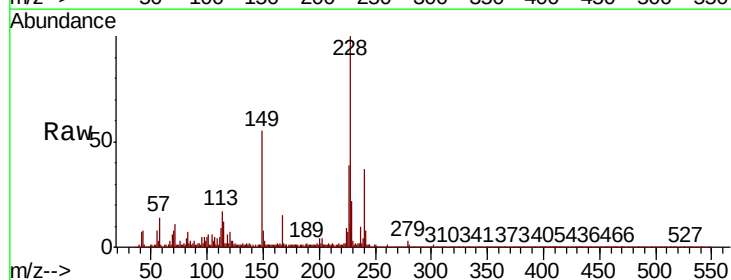
Instrument :
 BNA_P
 ClientSampleID :

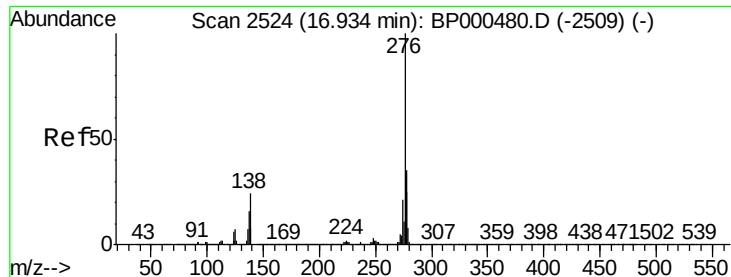
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.7	37.1
229	22.2	16.3	24.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.017 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BP000694.D
 Acq: 13 Oct 2019 02:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.6	35.4
279	4.6	3.9	5.9

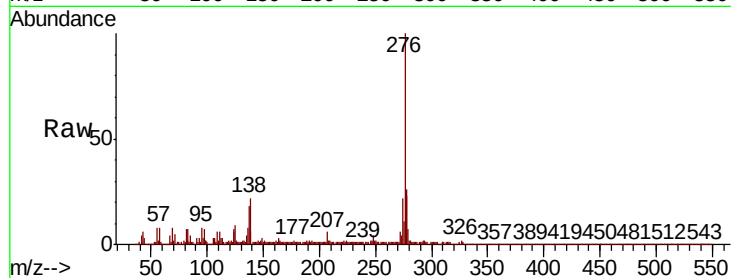




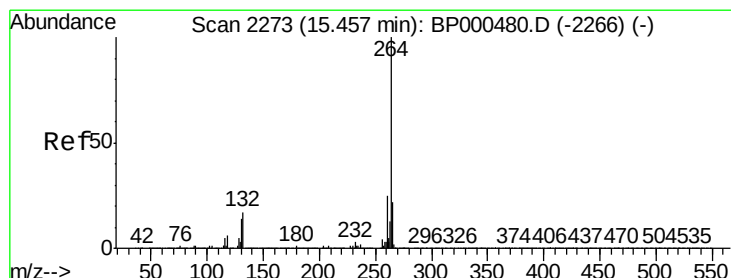
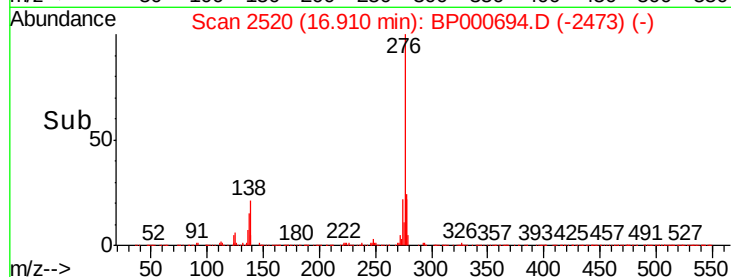
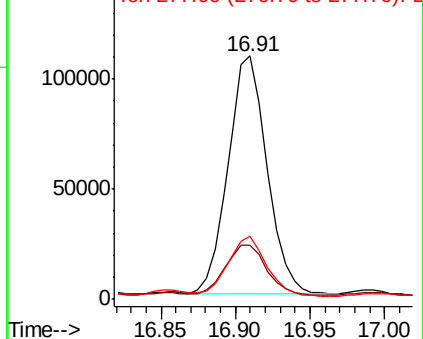
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.967 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.02 min
 Lab File: BP000694.D
 Acq: 13 Oct 2019 02:02

Instrument :
 BNA_P
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.9	31.3
277	25.4	20.6	30.8

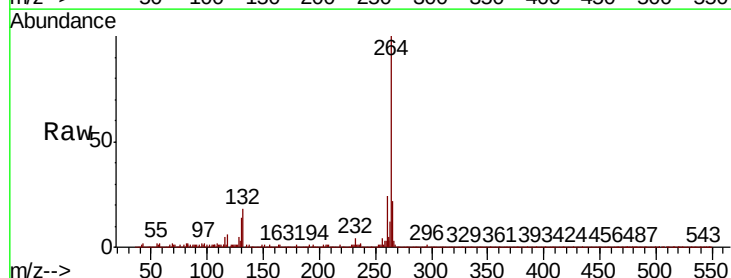


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

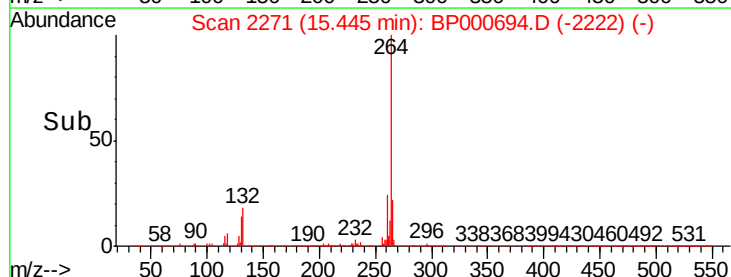
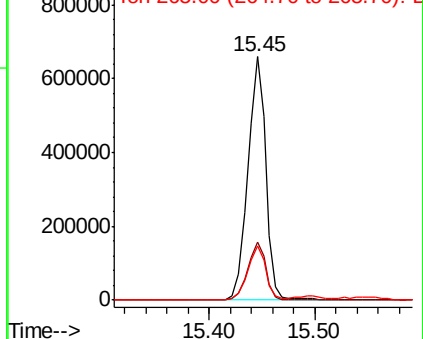


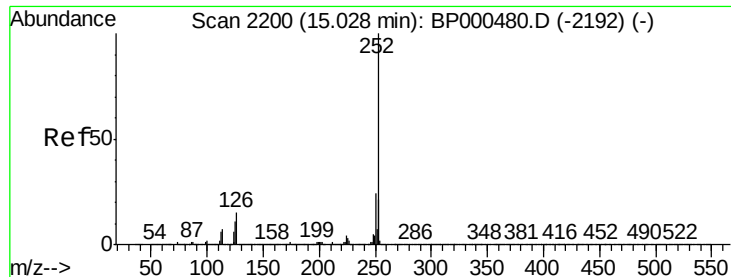
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BP000694.D
 Acq: 13 Oct 2019 02:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.3	30.5
265	22.0	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: 12.662 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BP000694.D

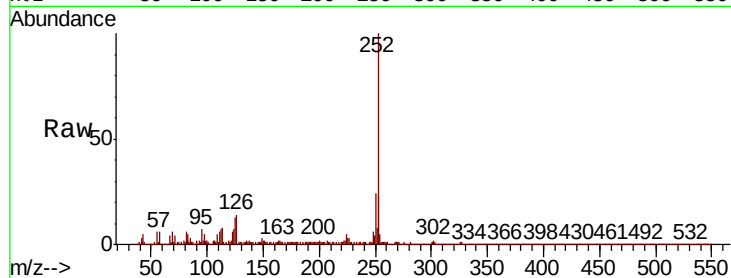
Acq: 13 Oct 2019 02:02

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	252	Resp:	556805
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	13.3	8.9	13.3

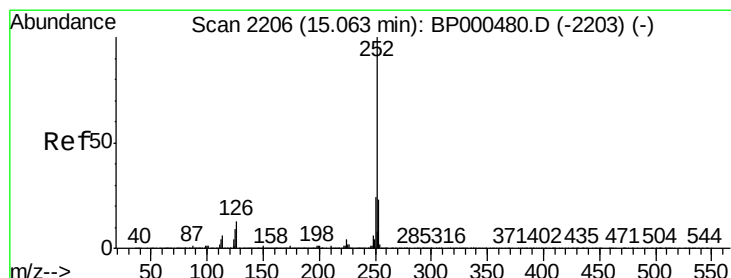
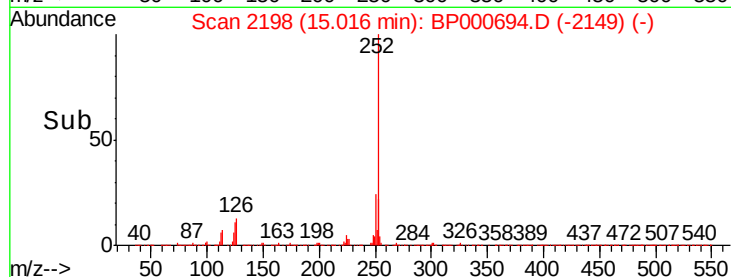
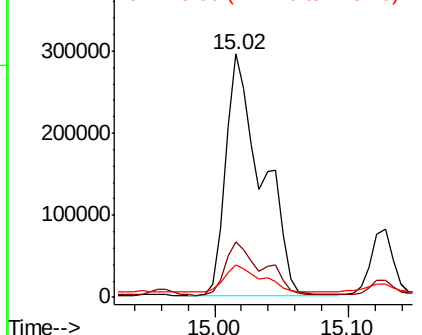


Abundance

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: 13.300 ng

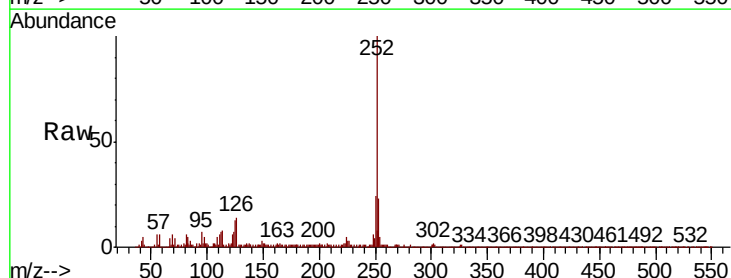
RT: 15.02 min Scan# 2198

Delta R.T. -0.05 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

Tgt Ion:	252	Resp:	556805
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	13.3	7.8	11.8#

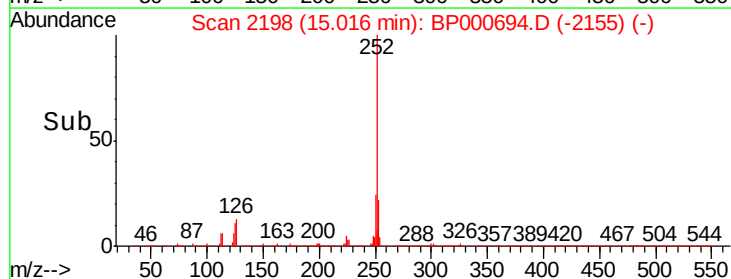
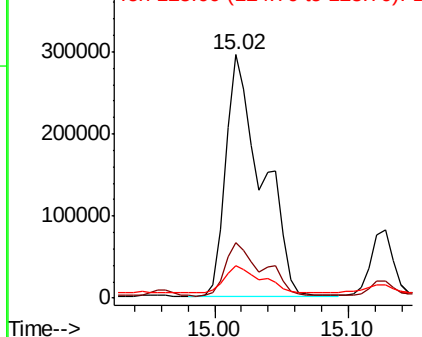


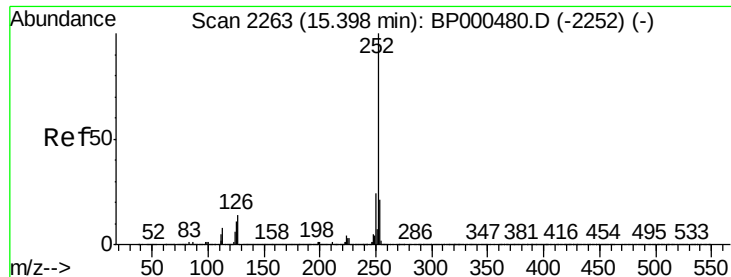
Abundance

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





#90

Benzo(a)pyrene

Concen: 8.169 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.02 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

Instrument :

BNA_P

ClientSampleId :

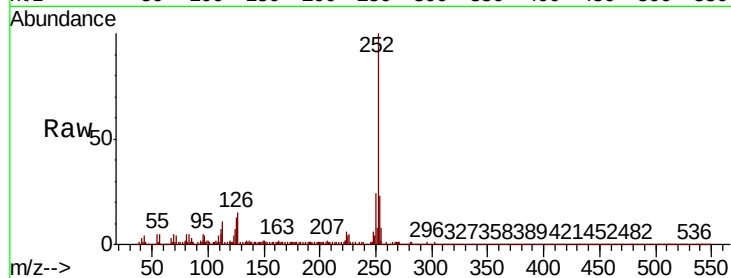
Tot Ion:252 Resp: 334850

Ion Ratio Lower Upper

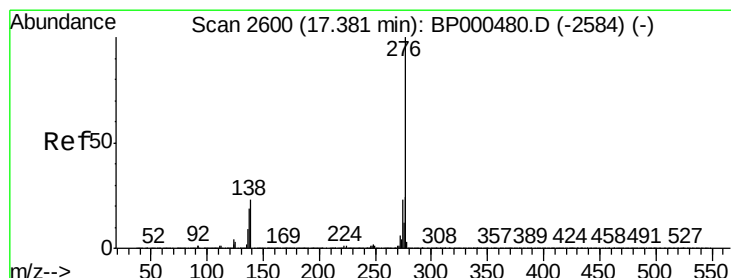
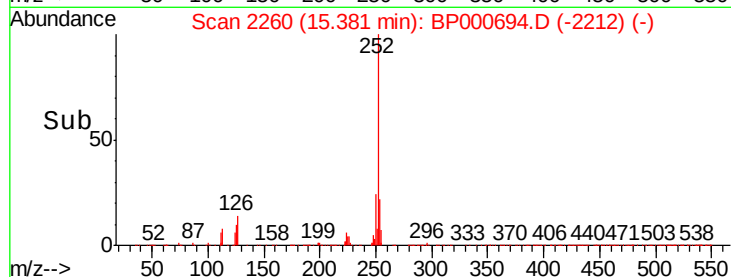
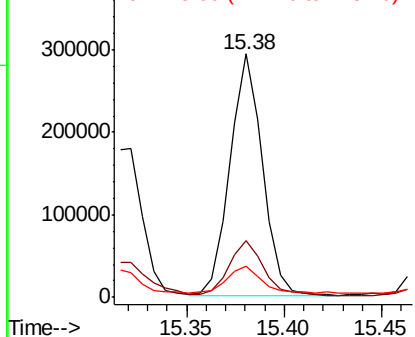
252 100

253 23.2 17.0 25.6

125 12.7 8.4 12.6#



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: 5.096 ng

RT: 17.35 min Scan# 2594

Delta R.T. -0.04 min

Lab File: BP000694.D

Acq: 13 Oct 2019 02:02

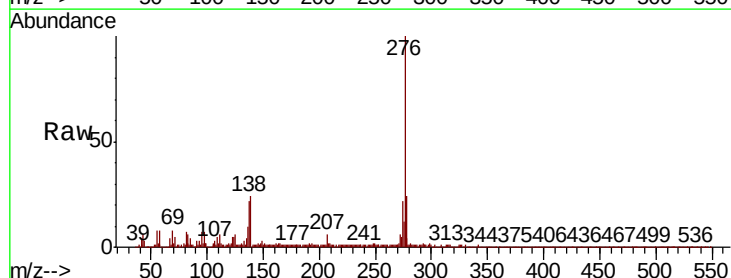
Tgt Ion:276 Resp: 205857

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.2

138 23.6 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

