

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000699.D
 Acq On : 13 Oct 2019 04:05
 Operator : JU
 Sample : K5348-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 14 04:43:03 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	207753	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	750237	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	405245	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	726470	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	629215	20.00	ng	-0.01
87) Perylene-d12	15.45	264	653596	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	425732	32.94	ng	-0.02
7) Phenol-d6	6.39	99	1330050	85.40	ng	-0.02
23) Nitrobenzene-d5	7.31	82	799700	65.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	46407	10.75	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1422521	56.80	ng	-0.02
79) Terphenyl-d14	12.90	244	1599632	51.47	ng	-0.02

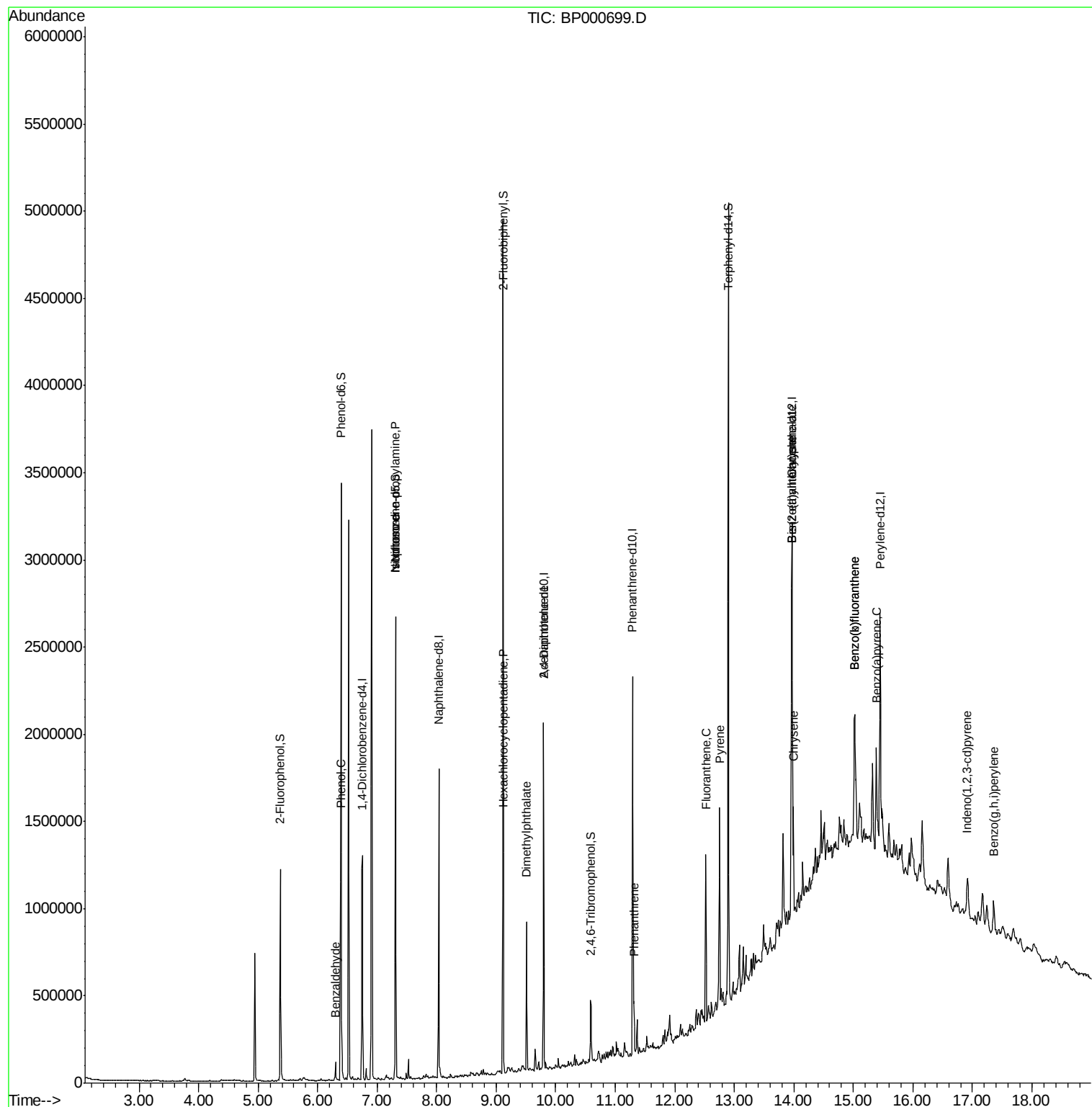
Target Compounds				Qvalue		
9) Benzaldehyde	6.30	77	23044	2.841	ng	96
10) Phenol	6.40	94	69398	4.352	ng	93
19) n-Nitroso-di-n-propylamine	7.31	70	98484	13.719	ng	# 73
25) Isophorone	7.31	82	798383	36.621	ng	# 61
41) Hexachlorocyclopentadiene	9.13	237	14	7.300	ng	94
50) Dimethylphthalate	9.51	163	291552	10.354	ng	99
57) 2,4-Dinitrotoluene	9.80	165	52808	6.486	ng	# 32
71) Phenanthrene	11.32	178	94615	2.593	ng	98
75) Fluoranthene	12.52	202	377049	9.201	ng	99
78) Pyrene	12.75	202	440640	10.154	ng	100
81) Benzo(a)anthracene	13.96	228	252535	6.578	ng	# 87
83) Chrysene	13.99	228	250471	6.647	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	95353	4.009	ng	99
86) Indeno(1,2,3-cd)pyrene	16.92	276	151858	3.226	ng	97
88) Benzo(b)fluoranthene	15.02	252	508301	13.708	ng	# 93
89) Benzo(k)fluoranthene	15.02	252	508301	14.399	ng	# 94
90) Benzo(a)pyrene	15.39	252	252299	7.299	ng	# 91
92) Benzo(g,h,i)perylene	17.36	276	156384	4.591	ng	98

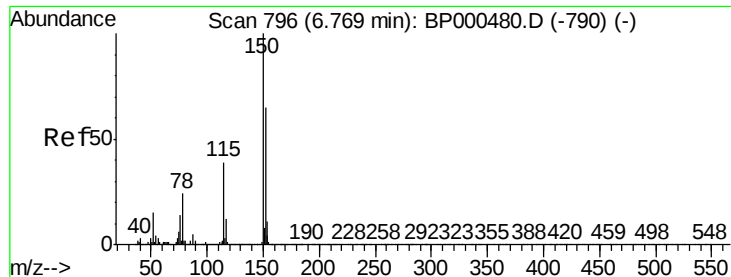
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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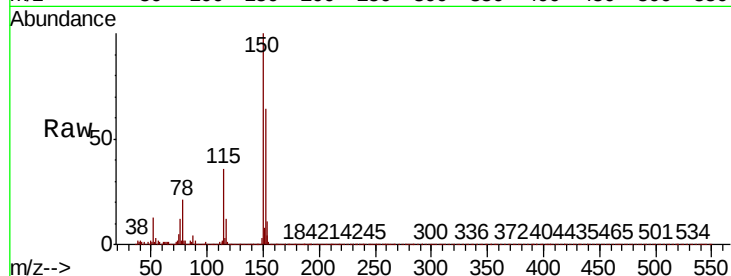


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.1	186.1
115	56.2	48.7	73.1

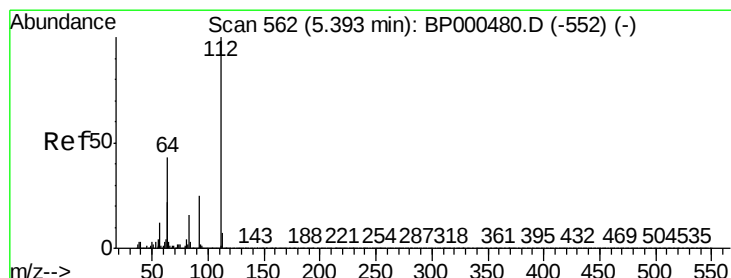
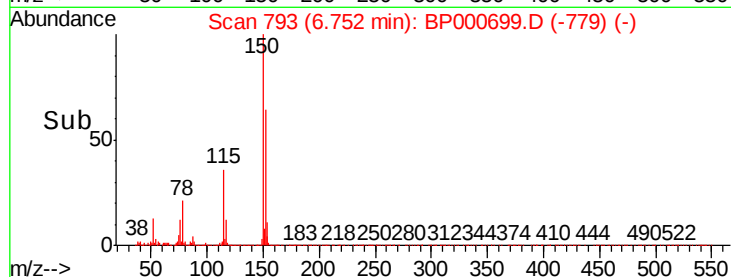
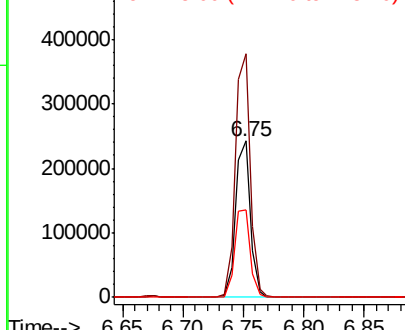


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

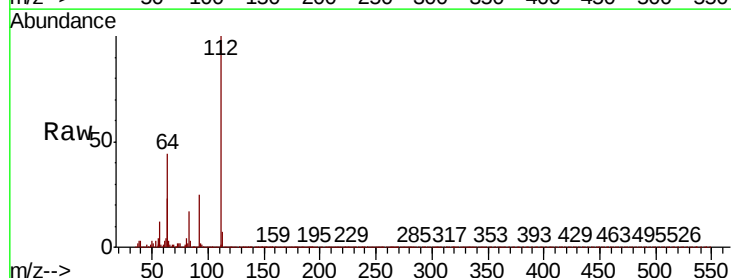
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 32.940 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.3	34.2	51.4
63	22.6	17.9	26.9

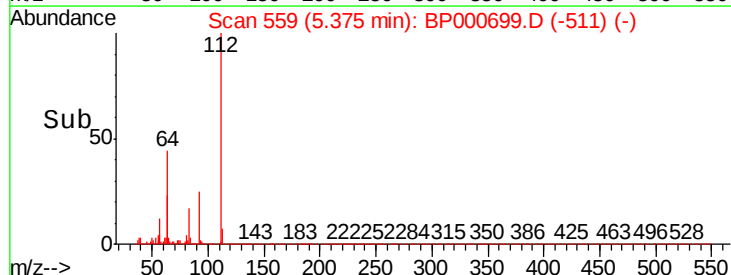
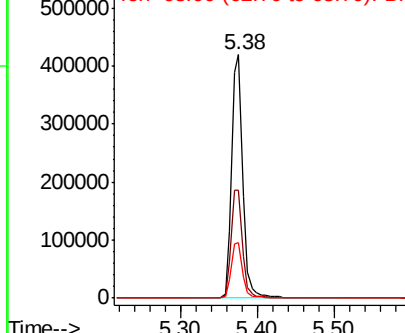


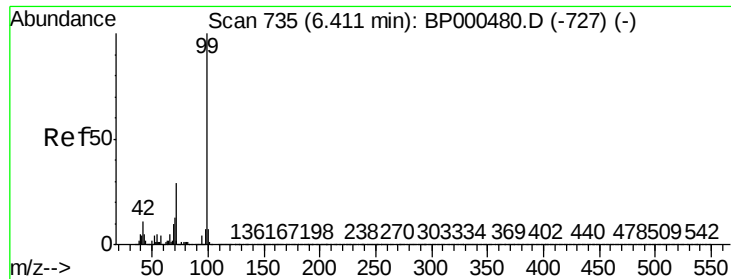
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 85.399 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

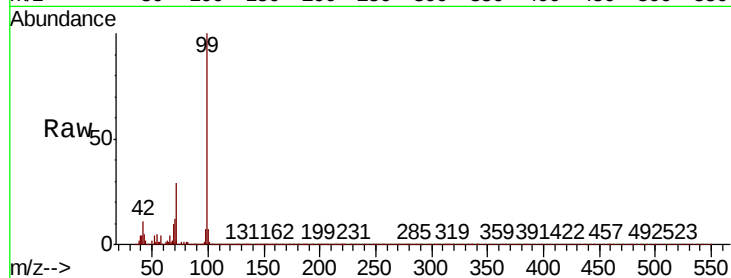
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1330050

Ion	Ratio	Lower	Upper
99	100		
42	10.7	8.6	12.8
71	28.8	23.0	34.4

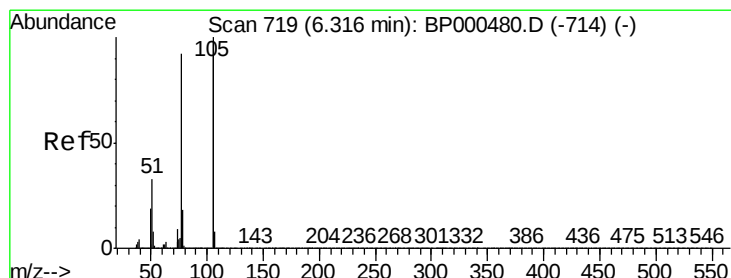
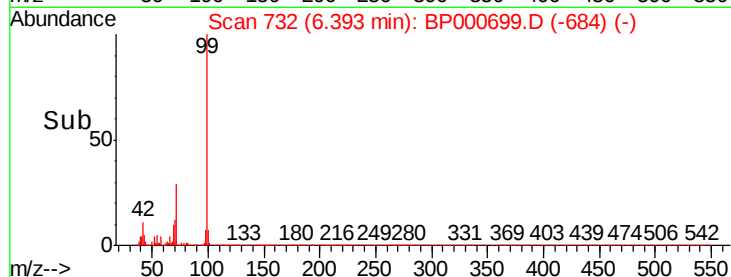
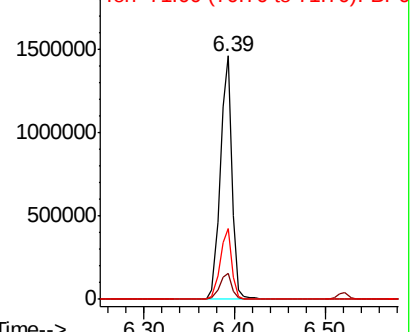


Abundance

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: 2.841 ng

RT: 6.30 min Scan# 716

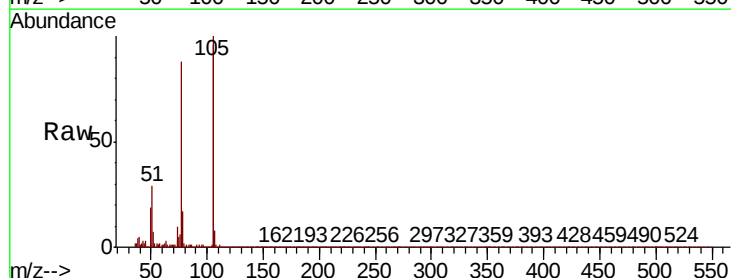
Delta R.T. -0.02 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

Tgt Ion: 77 Resp: 23044

Ion	Ratio	Lower	Upper
77	100		
105	113.1	88.3	128.3
106	108.7	85.7	125.7

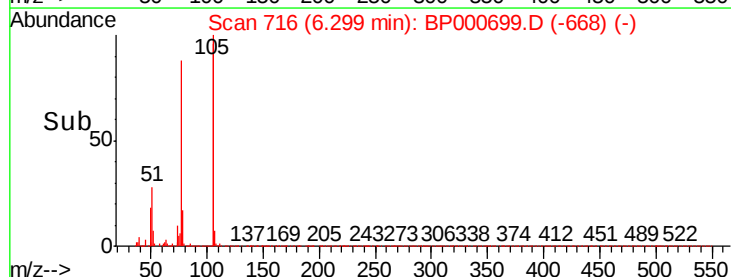
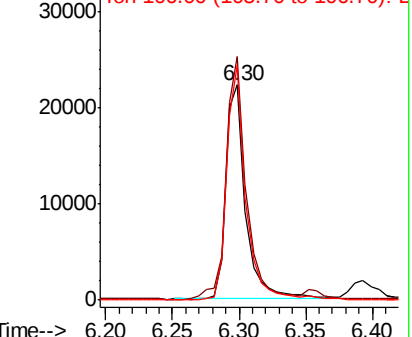


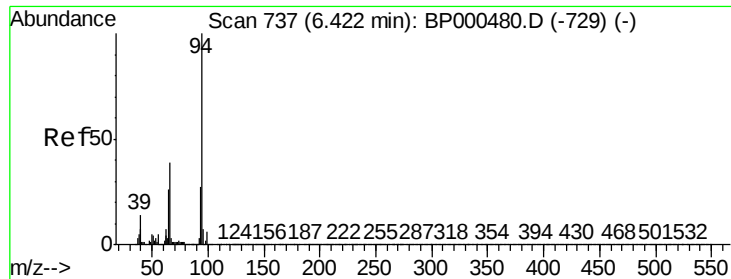
Abundance

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: 4.352 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

Instrument :

BNA_P

ClientSampleId :

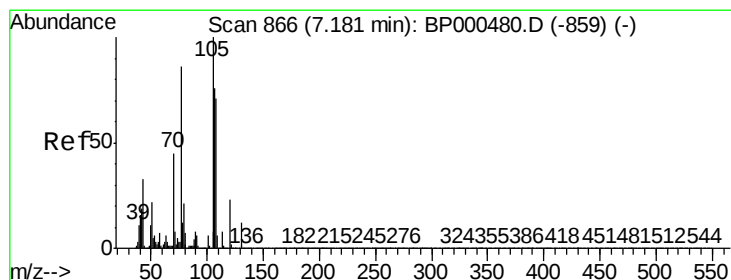
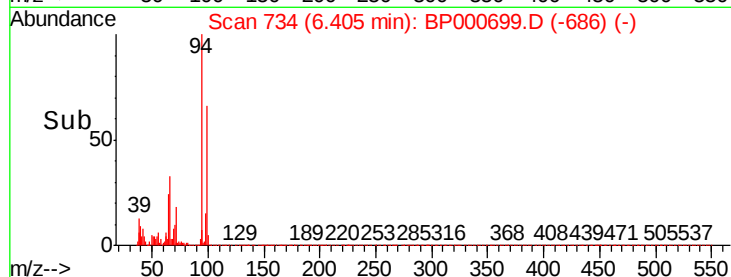
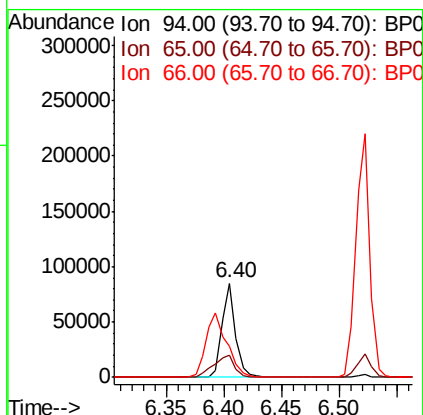
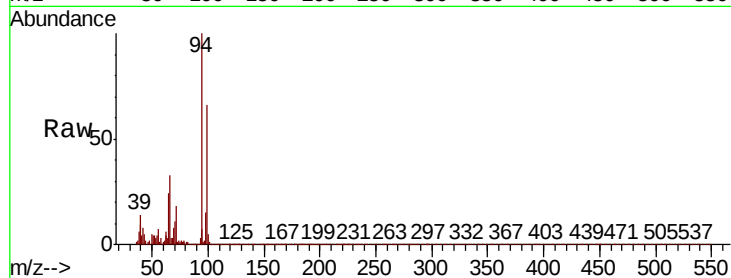
Tot Ion: 94 Resp: 69398

Ion Ratio Lower Upper

94 100

65 24.0 5.9 45.9

66 32.9 18.8 58.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.719 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

Tgt Ion: 70 Resp: 98484

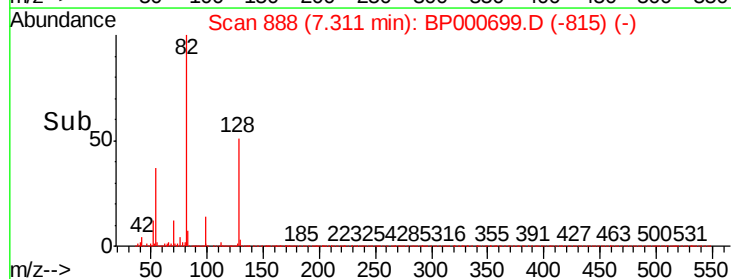
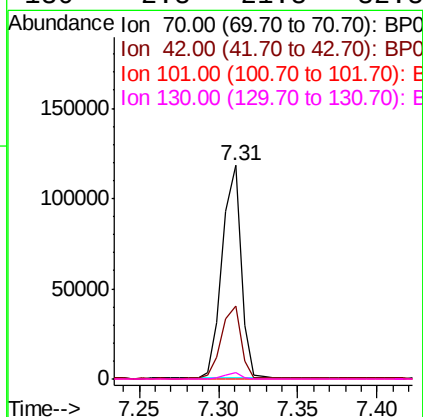
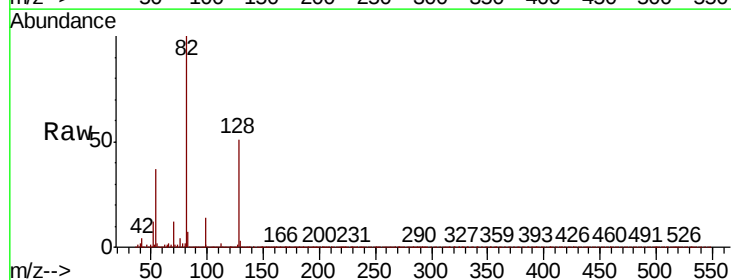
Ion Ratio Lower Upper

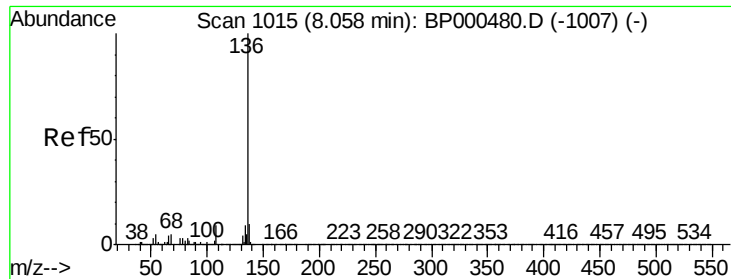
70 100

42 34.1 33.2 49.8

101 0.1 9.9 14.9#

130 2.8 21.8 32.8#

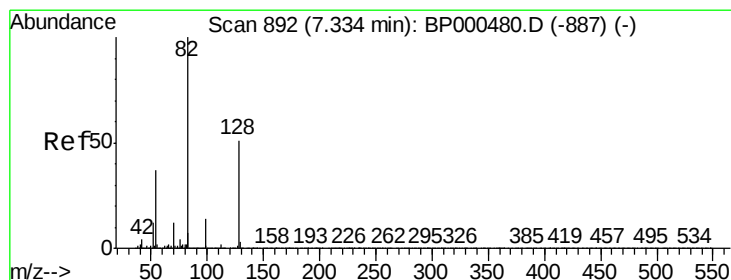
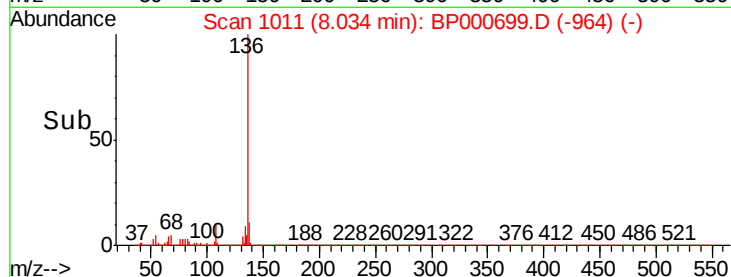
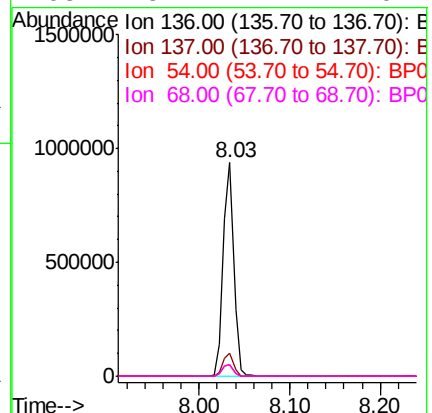
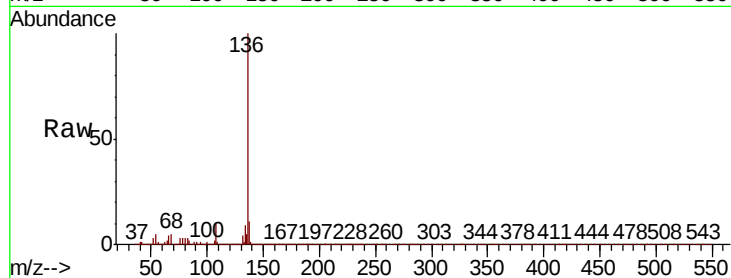




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

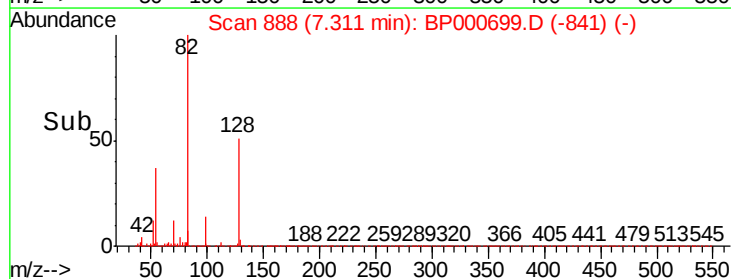
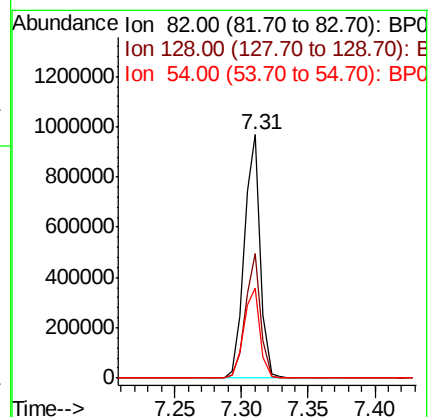
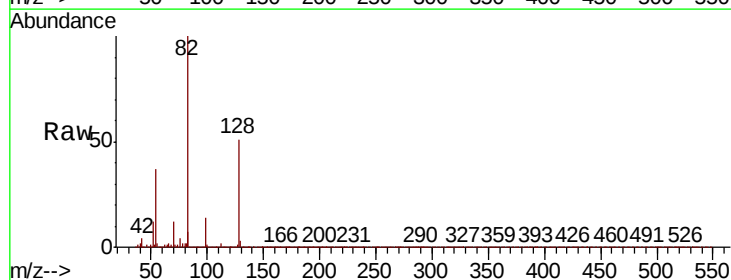
Instrument :
BNA_P
ClientSampleId :

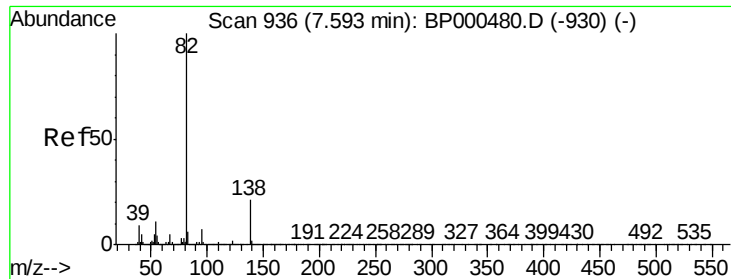
Tot Ion:136	Resp:	750237
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.2 12.4
54	5.4	4.1 6.1
68	5.4	4.1 6.1



#23
Nitrobenzene-d5
Concen: 65.102 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion: 82	Resp:	799700
Ion	Ratio	Lower Upper
82	100	
128	50.9	40.9 61.3
54	37.1	29.4 44.2

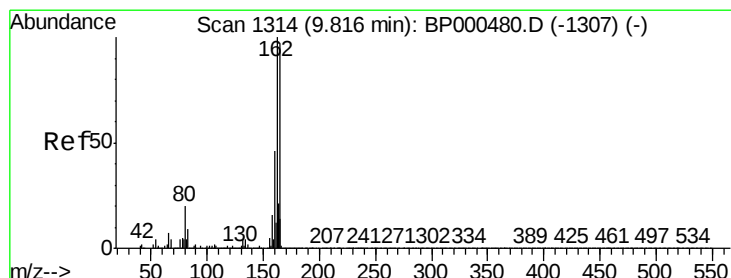
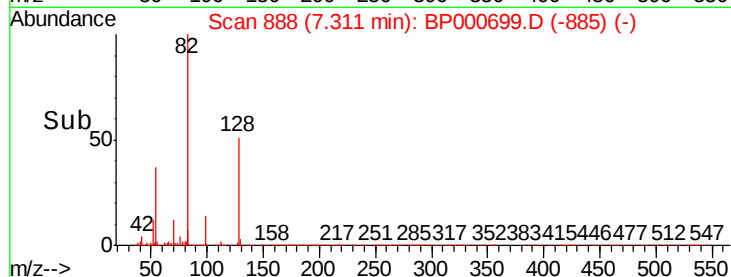
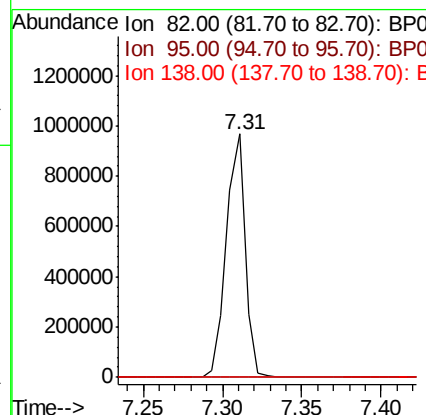
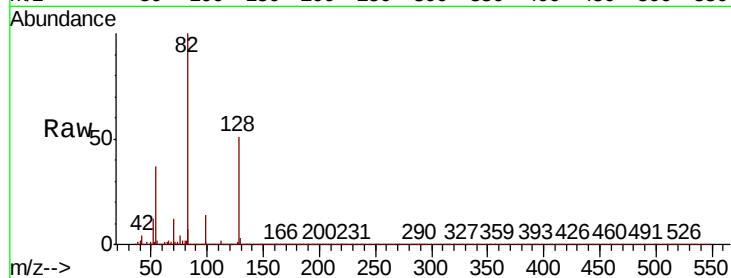




#25
Isophorone
Concen: 36.621 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.28 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

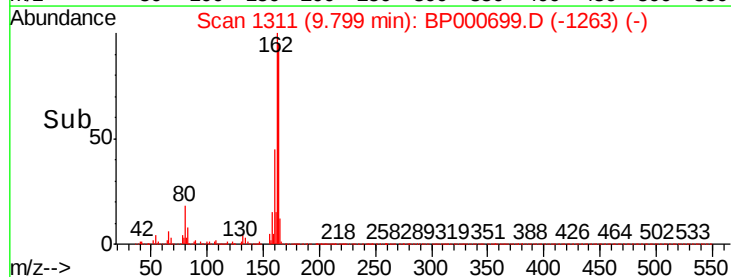
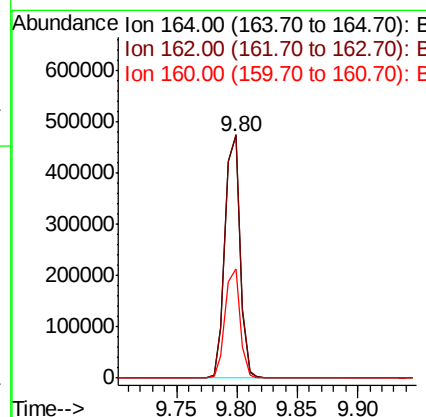
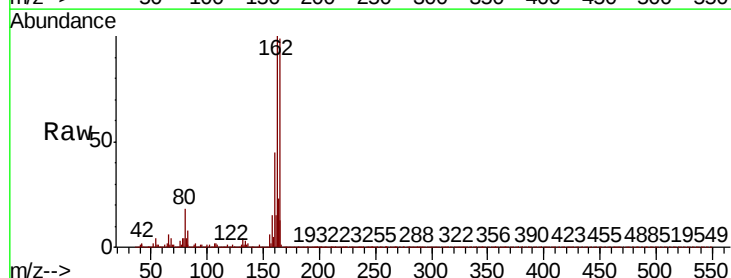
Instrument :
BNA_P
ClientSampleId :

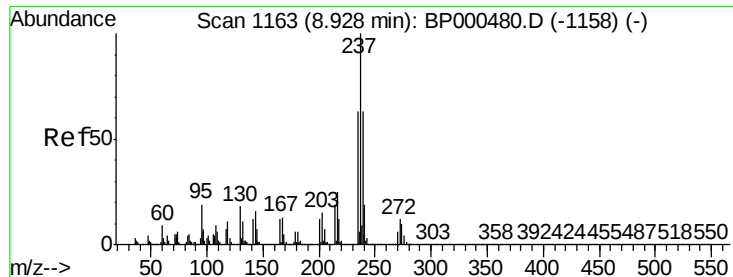
Tot Ion: 82 Resp: 798383
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 17.0 25.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion:164 Resp: 405245
Ion Ratio Lower Upper
164 100
162 100.5 82.2 123.2
160 45.0 37.6 56.4

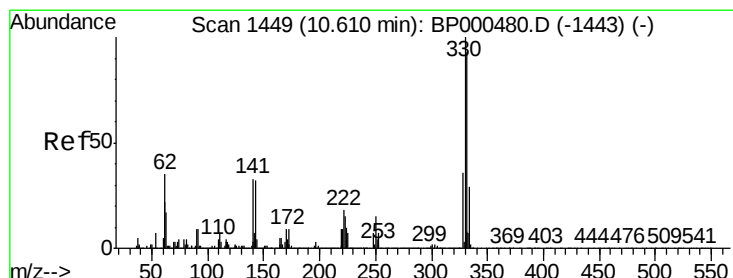
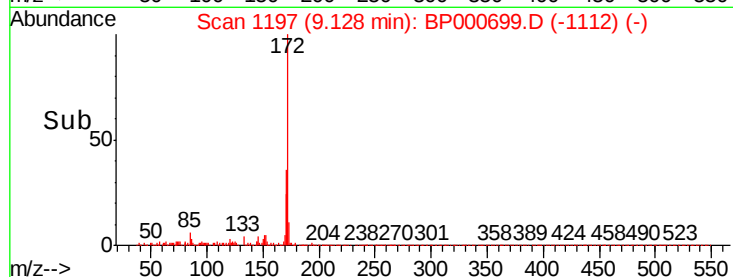
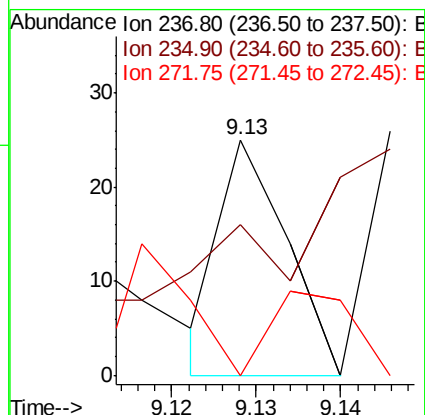
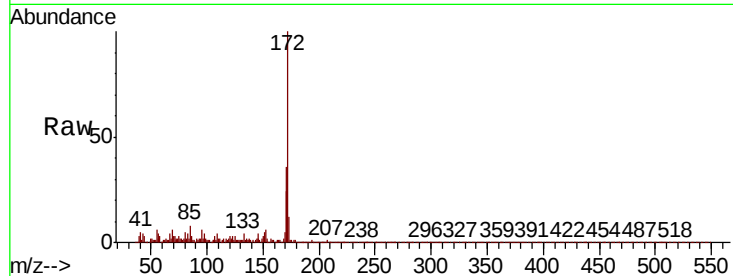




#41
Hexachlorocyclopentadiene
Concen: 7.300 ng
RT: 9.13 min Scan# 1197
Delta R.T. 0.20 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

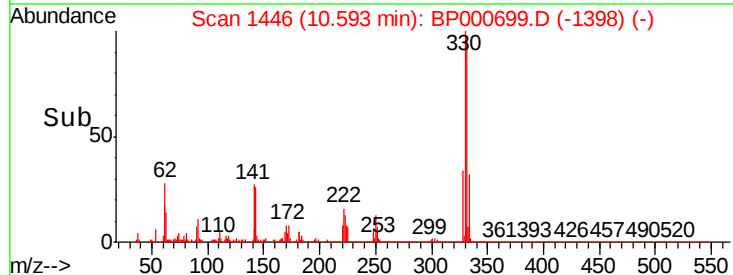
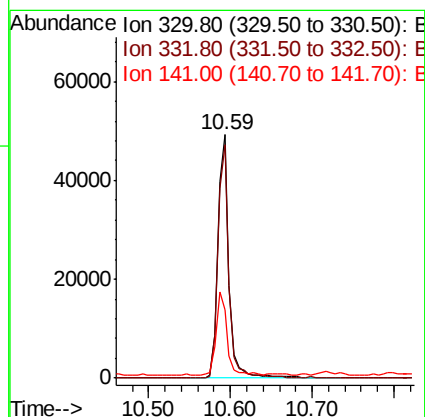
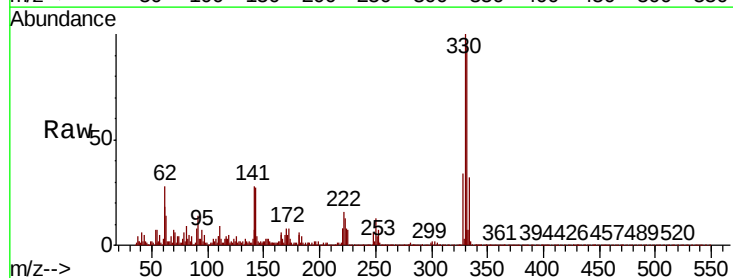
Instrument :
BNA_P
ClientSampleId :

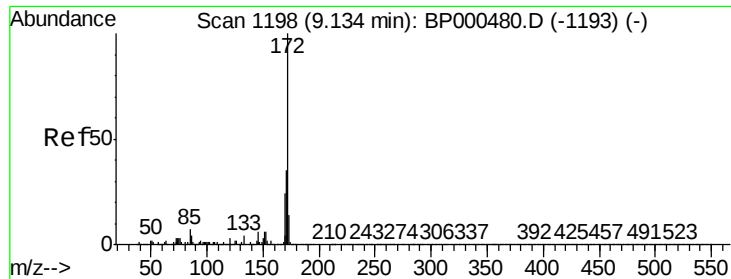
Tot Ion:	237	Resp:	14
Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.9	82.9
272	0.0	0.0	32.4



#42
2,4,6-Tribromophenol
Concen: 10.746 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion:	330	Resp:	46407
Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.1	115.7
141	32.9	26.0	39.0

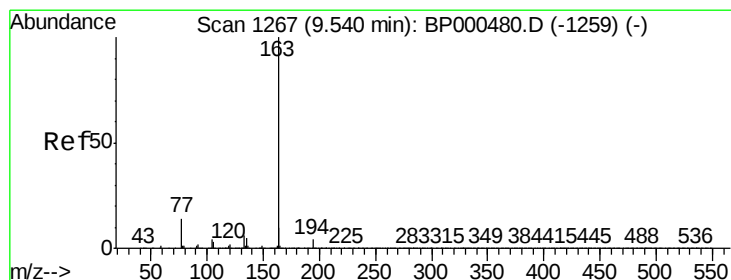
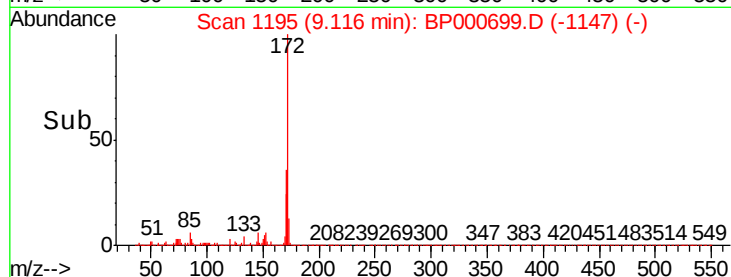
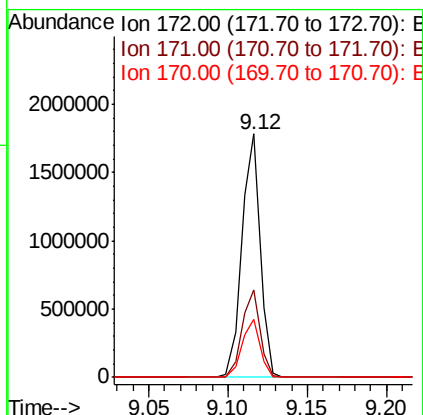
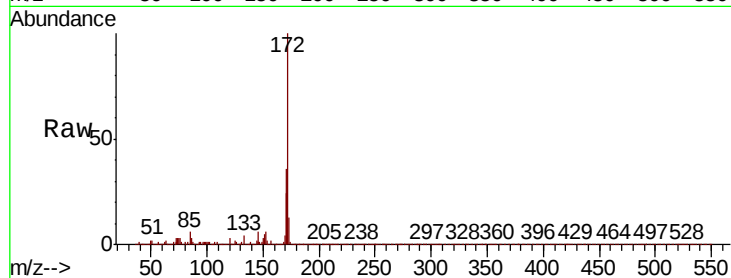




#45
2-Fluorobiphenyl
Concen: 56.796 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

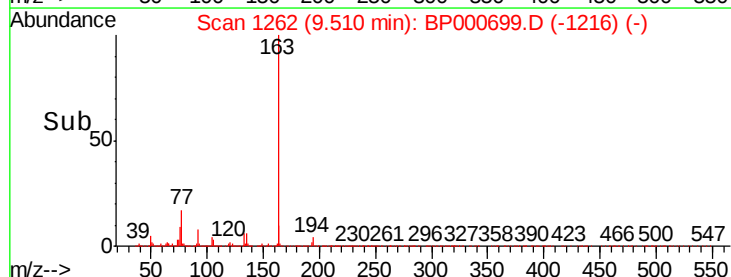
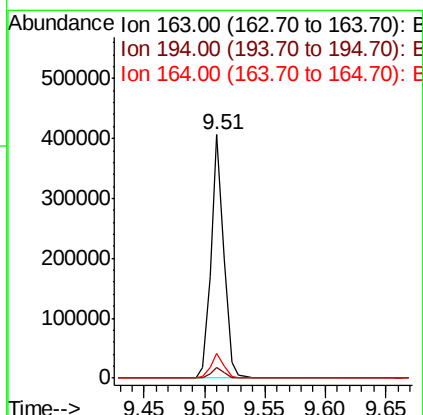
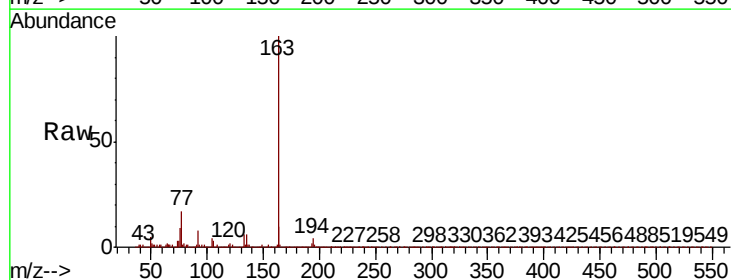
Instrument :
BNA_P
ClientSampleId :

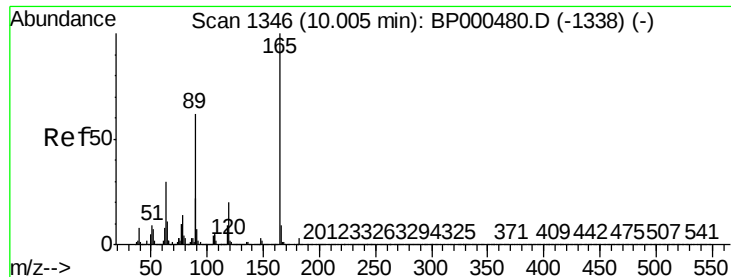
Tot Ion:172 Resp: 1422521
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.8 19.1 28.7



#50
Dimethylphthalate
Concen: 10.354 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion:163 Resp: 291552
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.3 8.0 12.0

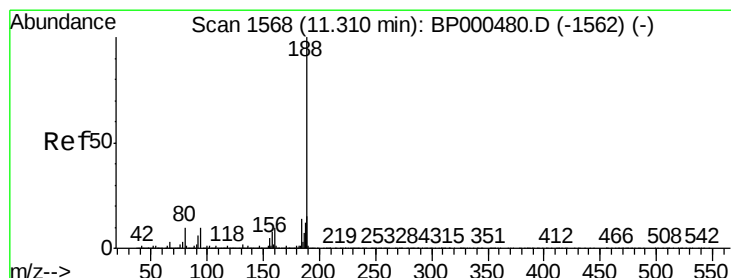
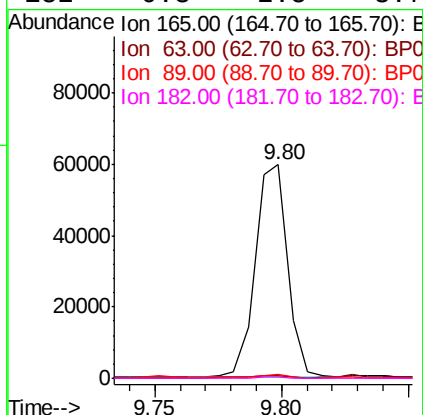
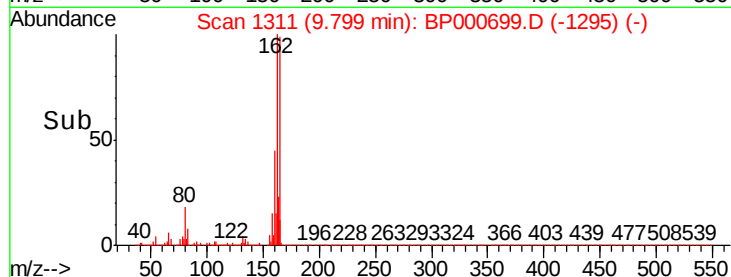
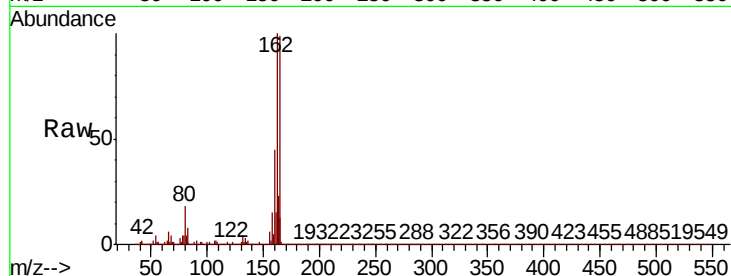




#57
2,4-Dinitrotoluene
Concen: 6.486 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

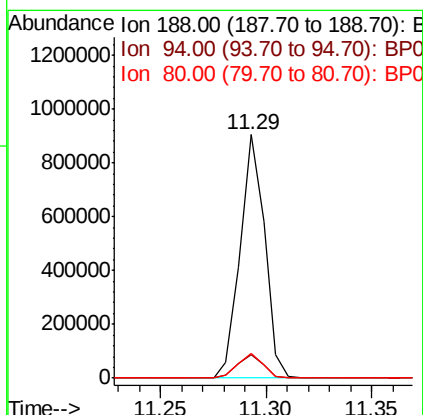
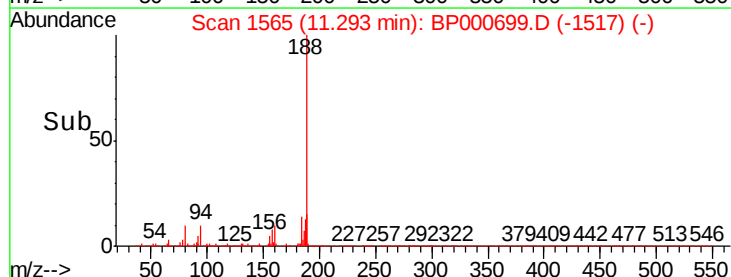
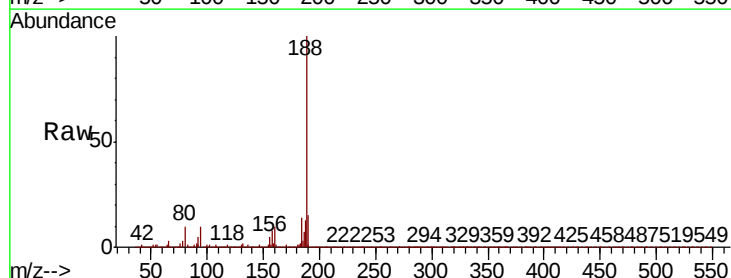
Instrument :
BNA_P
ClientSampleId :

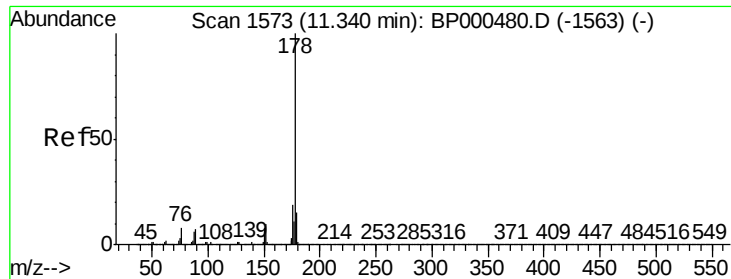
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	24.2	36.4#
89	1.6	49.4	74.0#
182	0.3	2.5	3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	10.2	8.3	12.5





#71

Phenanthrene

Concen: 2.593 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

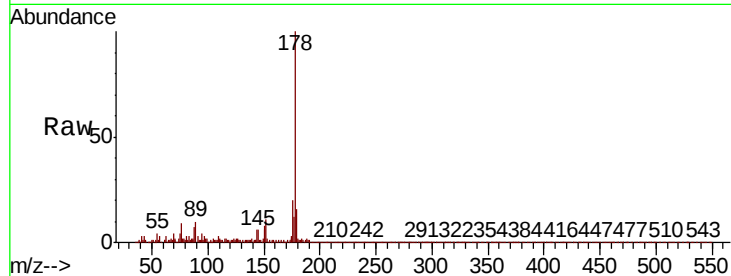
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 94615

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	16.4	12.2	18.4

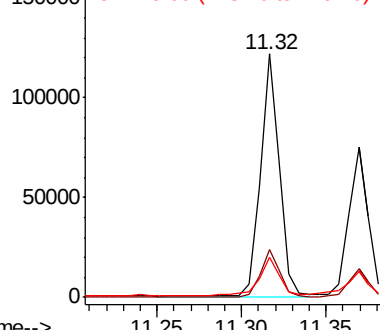


Abundance

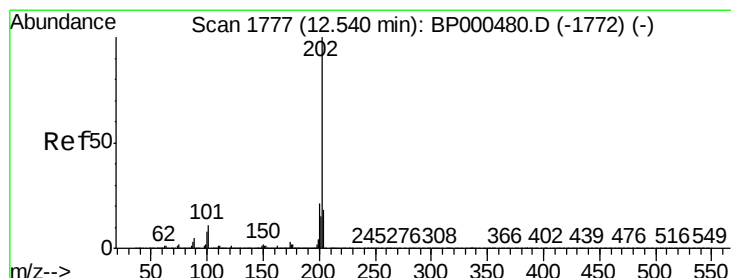
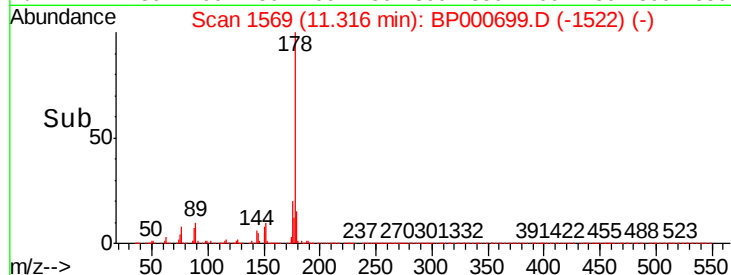
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 9.201 ng

RT: 12.52 min Scan# 1774

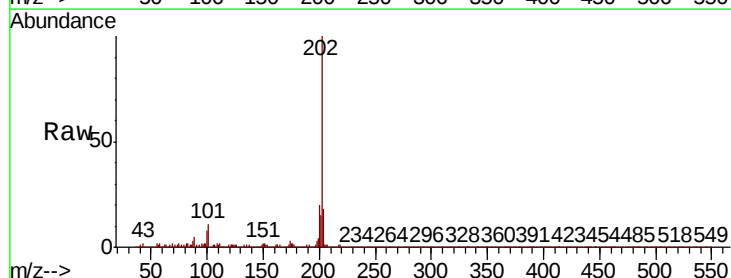
Delta R.T. -0.02 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

Tgt Ion:202 Resp: 377049

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.3
203	17.9	0.0	38.1

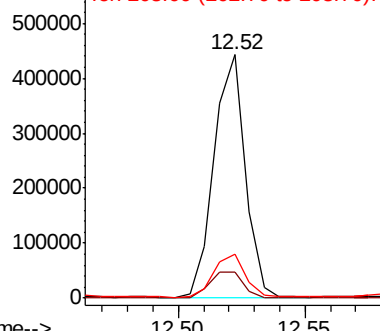


Abundance

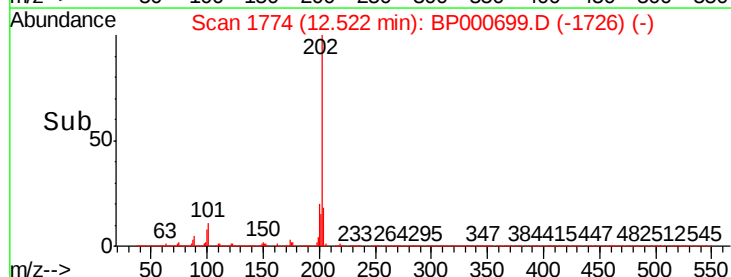
Ion 202.00 (201.70 to 202.70): E

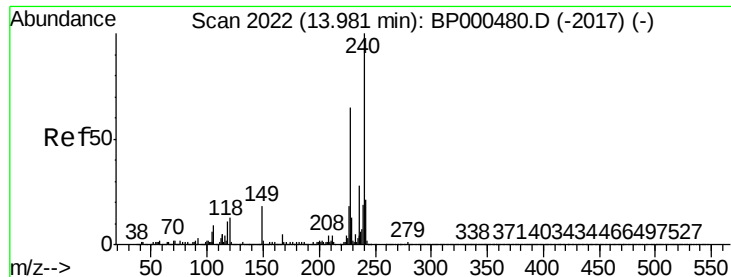
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

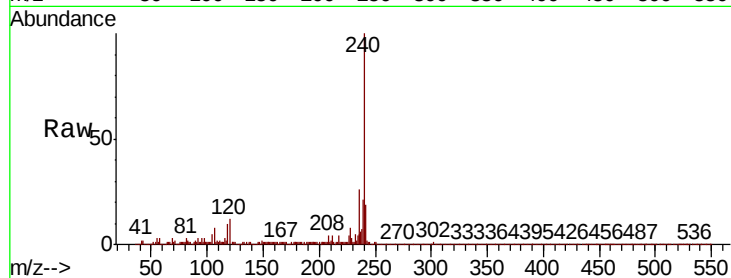




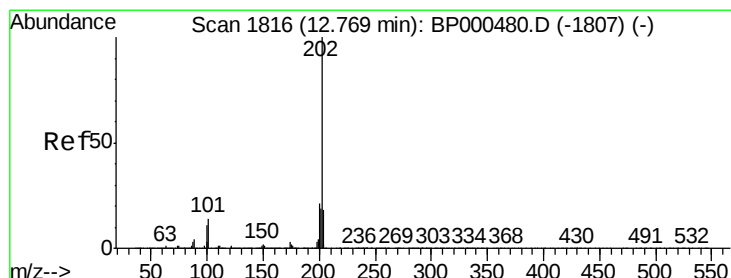
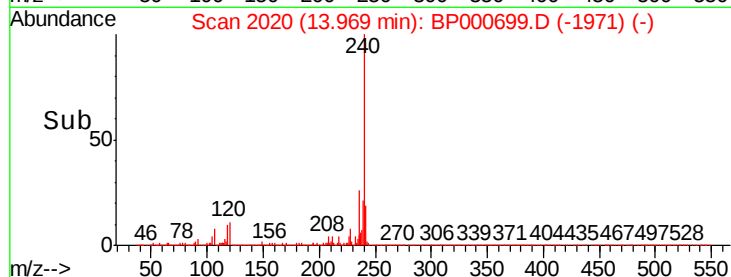
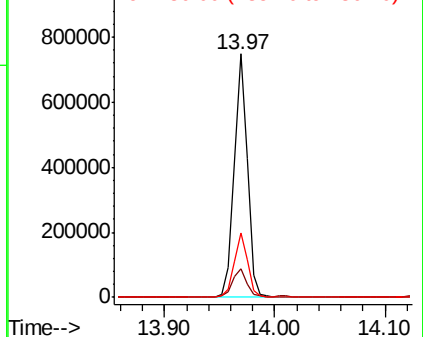
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampled :

Tot Ion:240 Resp: 629215
Ion Ratio Lower Upper
240 100
120 11.7 10.1 15.1
236 26.4 22.7 34.1

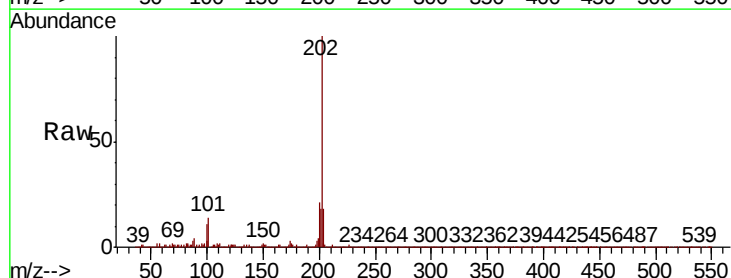


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

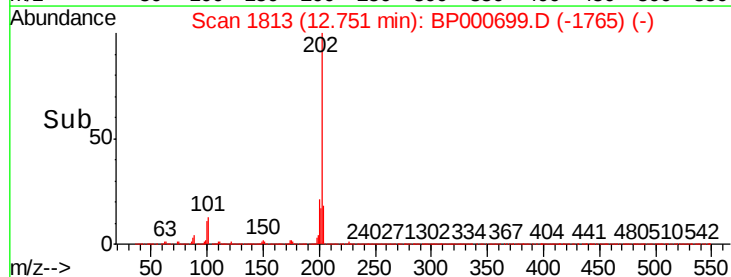
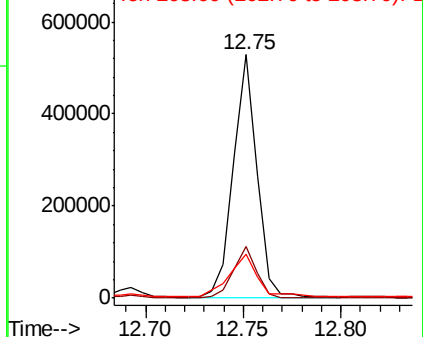


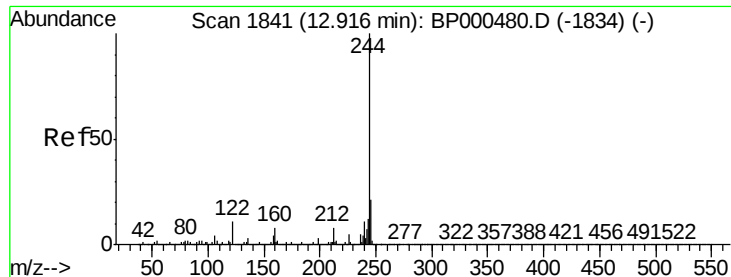
#78
Pyrene
Concen: 10.154 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion:202 Resp: 440640
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.0 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: 51.474 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

Instrument :

BNA_P

ClientSampleId :

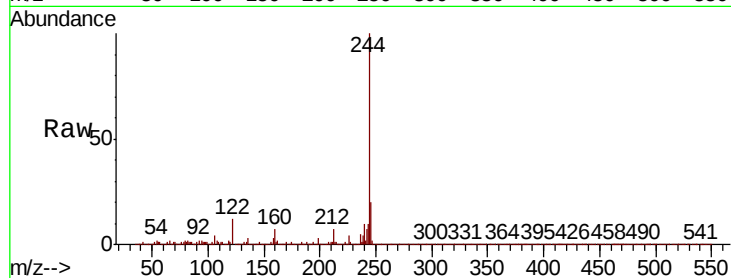
Tot Ion:244 Resp: 1599632

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

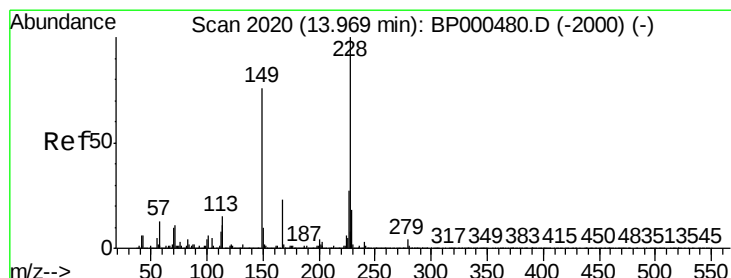
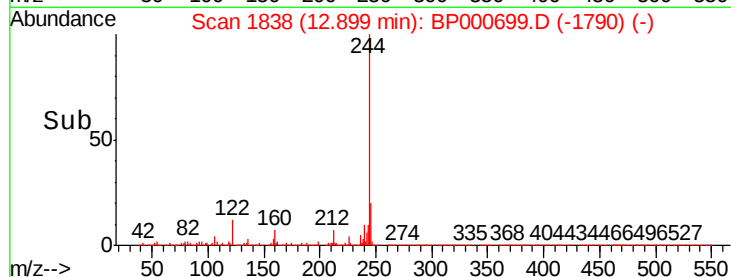
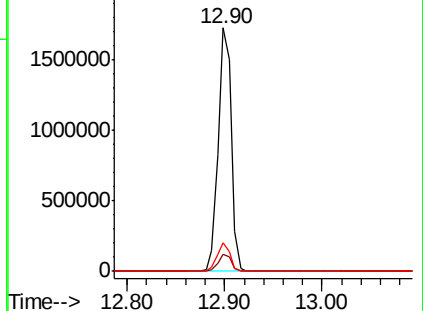
122 11.7 8.9 13.3



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: 6.578 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

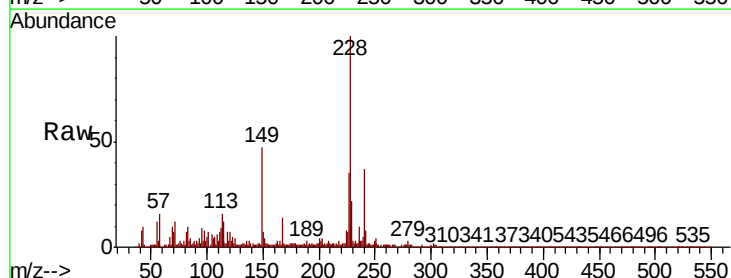
Tgt Ion:228 Resp: 252535

Ion Ratio Lower Upper

228 100

226 35.2 21.4 32.2#

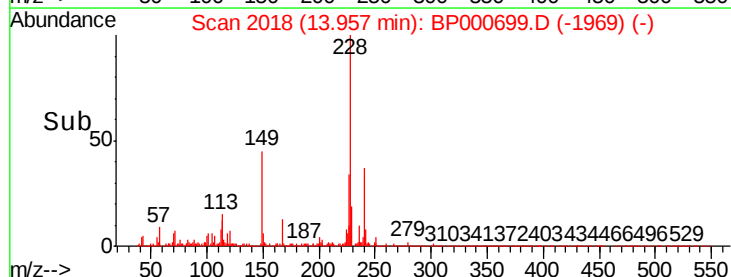
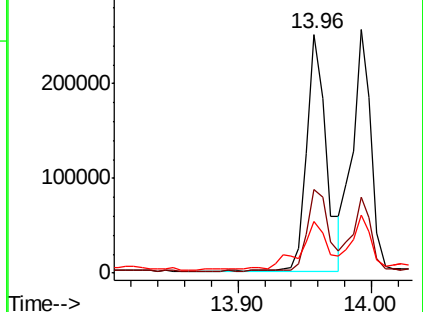
229 21.7 14.7 22.1

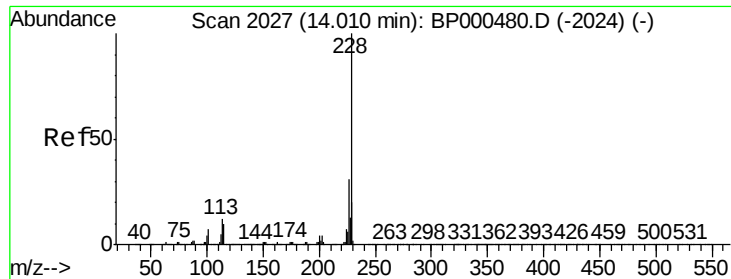


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

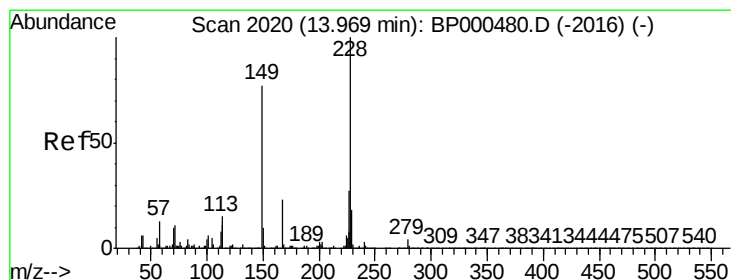
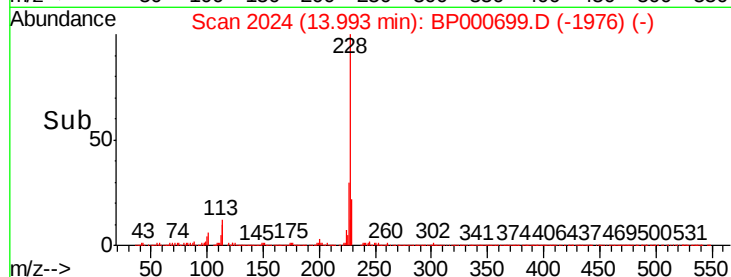
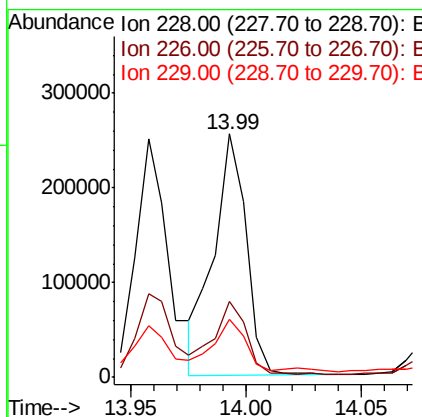
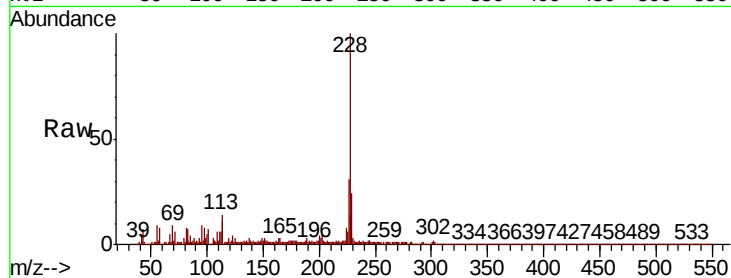




#83
 Chrysene
 Concen: 6.647 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BP000699.D
 Acq: 13 Oct 2019 04:05

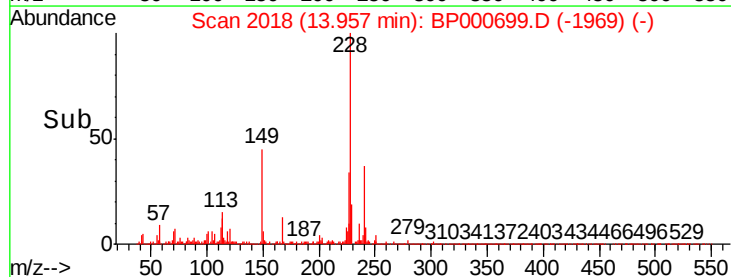
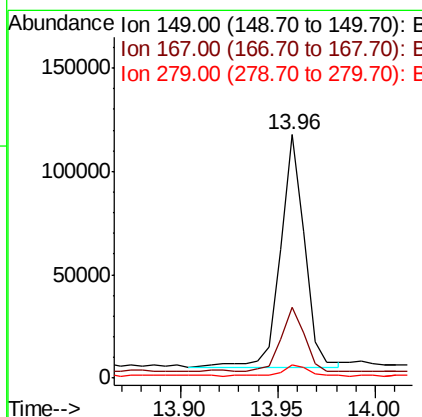
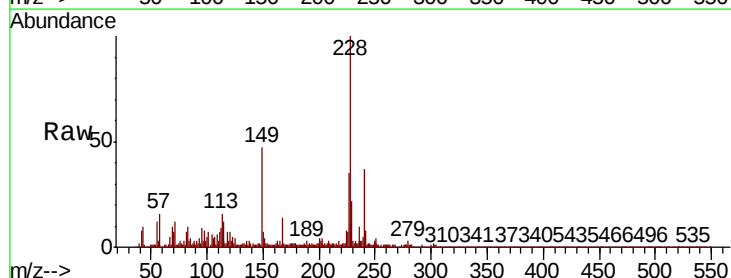
Instrument :
 BNA_P
 ClientSampleId :

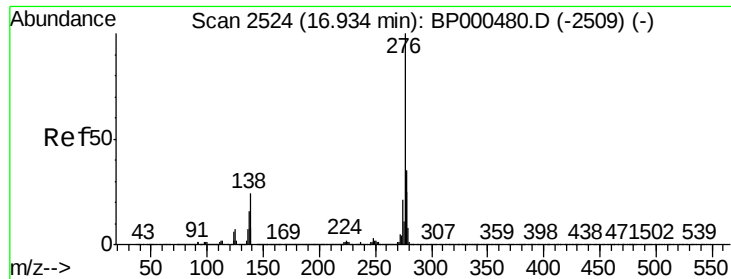
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.7	37.1
229	23.9	16.3	24.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.009 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BP000699.D
 Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.6	35.4
279	5.7	3.9	5.9

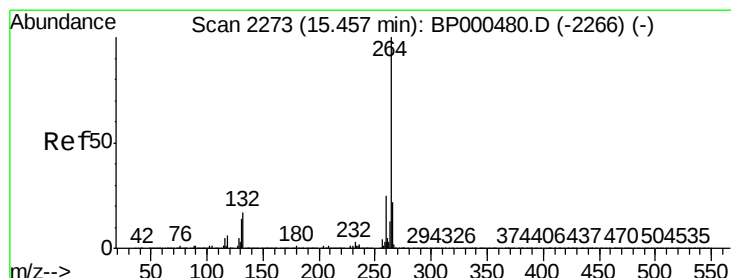
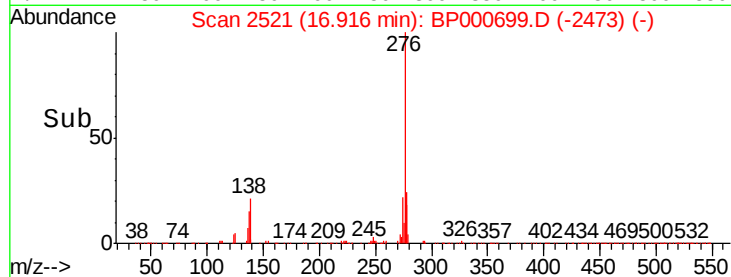
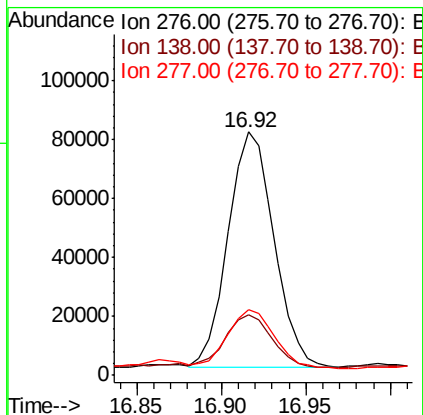
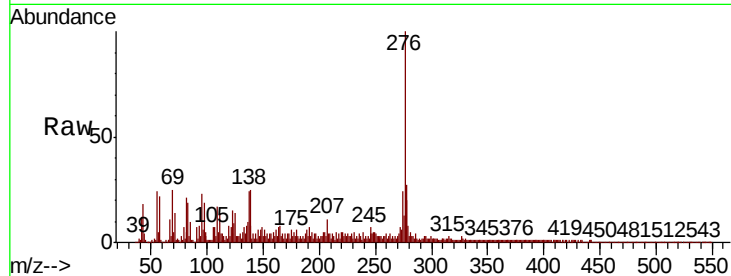




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.226 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.02 min
 Lab File: BP000699.D
 Acq: 13 Oct 2019 04:05

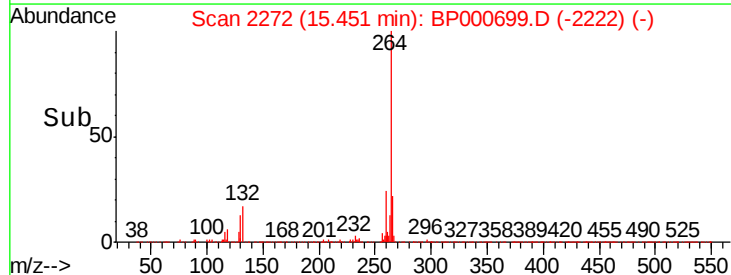
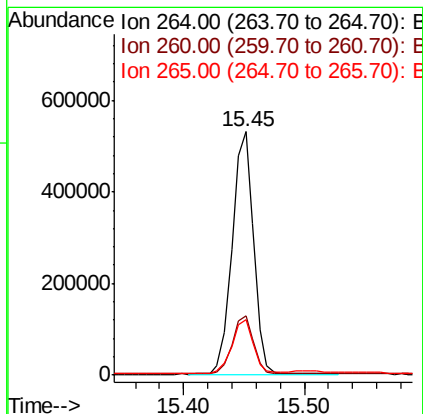
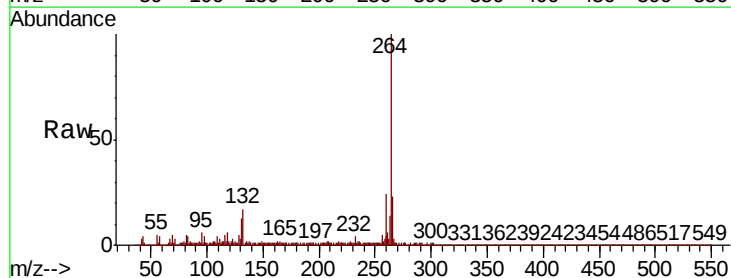
Instrument :
 BNA_P
 ClientSampleID :

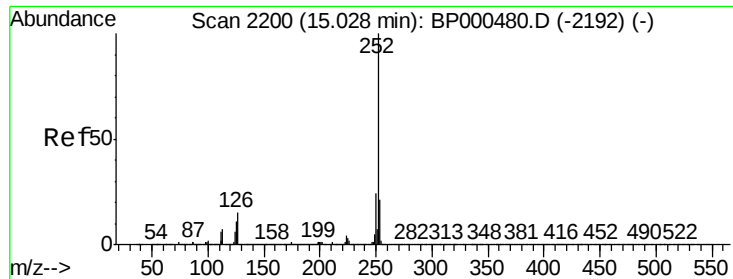
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.9	31.3
277	25.7	20.6	30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BP000699.D
 Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.3	30.5
265	22.8	18.0	27.0

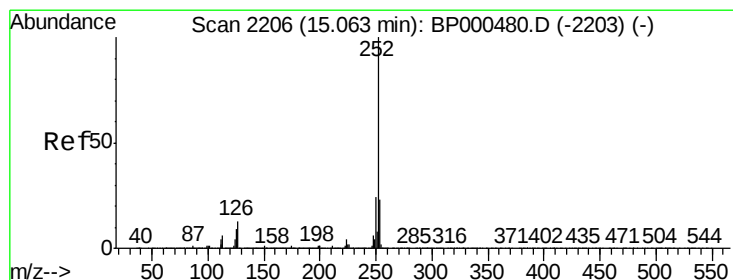
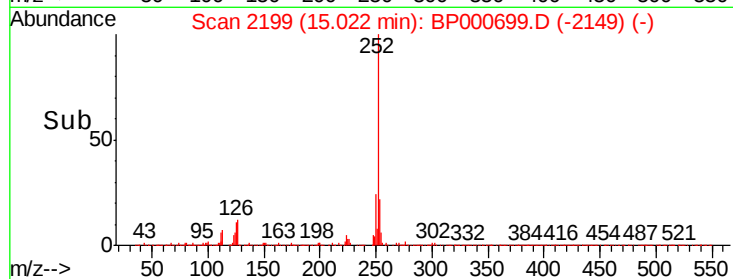
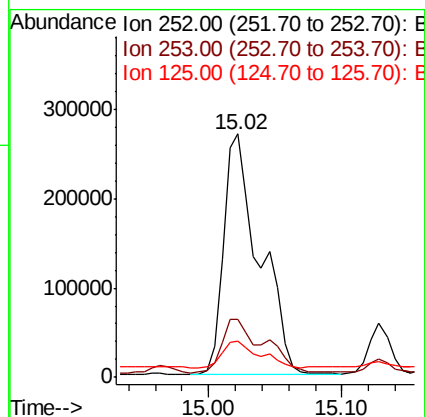
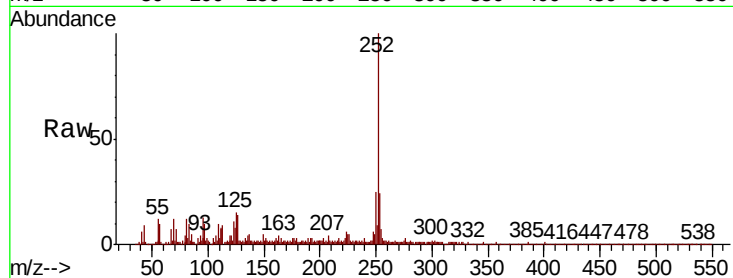




#88
Benzo(b)fluoranthene
Concen: 13.708 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

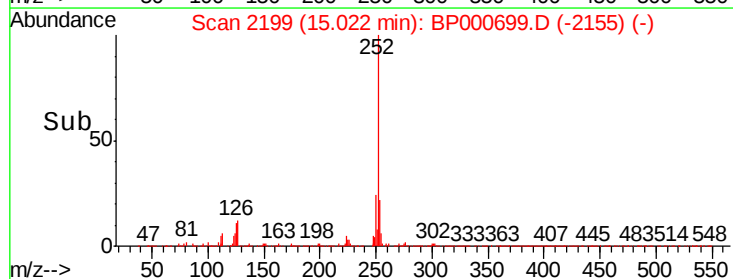
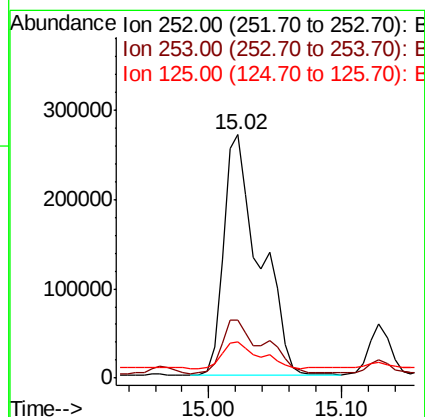
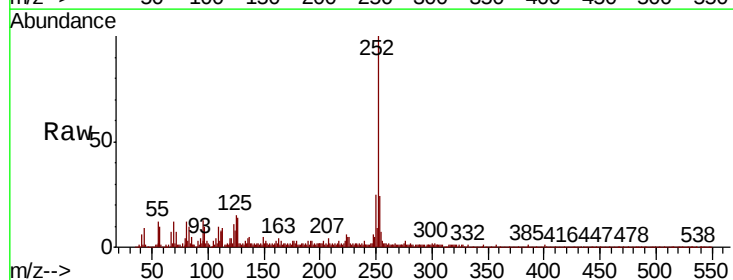
Instrument :
BNA_P
ClientSampleId :

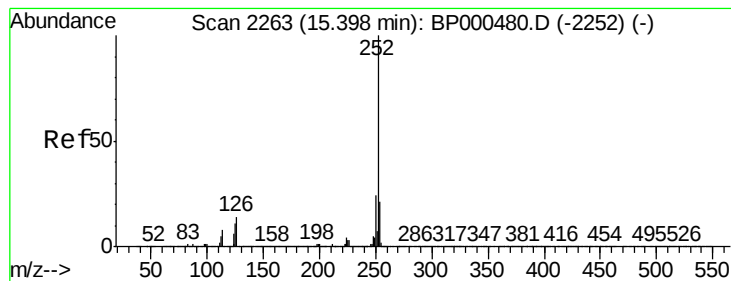
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.4
125	14.9	8.9	13.3#



#89
Benzo(k)fluoranthene
Concen: 14.399 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	14.9	7.8	11.8#





#90

Benzo(a)pyrene

Concen: 7.299 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BP000699.D

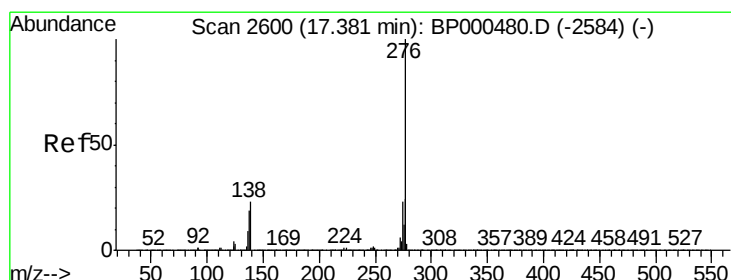
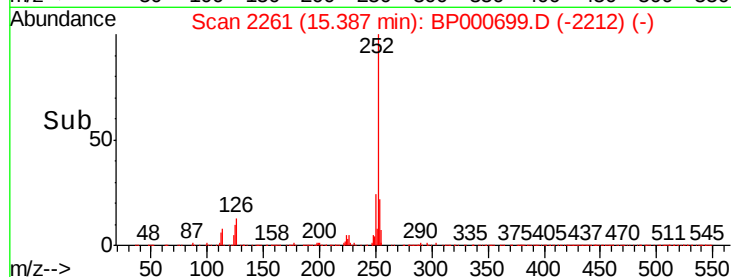
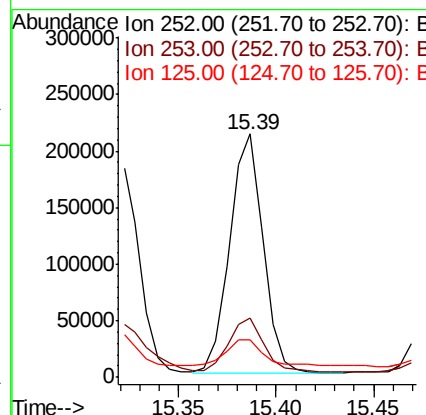
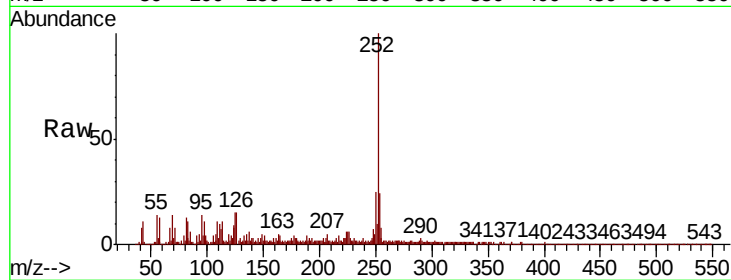
Acq: 13 Oct 2019 04:05

Instrument :

BNA_P

ClientSampled :

Tot Ion:252	Resp:	252299
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.0 25.6
125	15.3	8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 4.591 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.02 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

Tgt Ion:276	Resp:	156384
Ion Ratio	Lower	Upper
276	100	
277	25.9	19.4 29.2
138	23.4	18.5 27.7

