

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
 Data File : BP000710.D
 Acq On : 14 Oct 2019 15:05
 Operator : JU
 Sample : K5348-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 15 02:42:44 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	207655	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	752075	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	405832	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	746896	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	624921	20.00	ng	0.00
87) Perylene-d12	15.46	264	743074	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	355225	27.50	ng	-0.02
7) Phenol-d6	6.39	99	1235734	79.38	ng	-0.02
23) Nitrobenzene-d5	7.31	82	819865	66.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	65382	15.12	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1408599	56.16	ng	-0.02
79) Terphenyl-d14	12.90	244	1601629	51.89	ng	-0.01

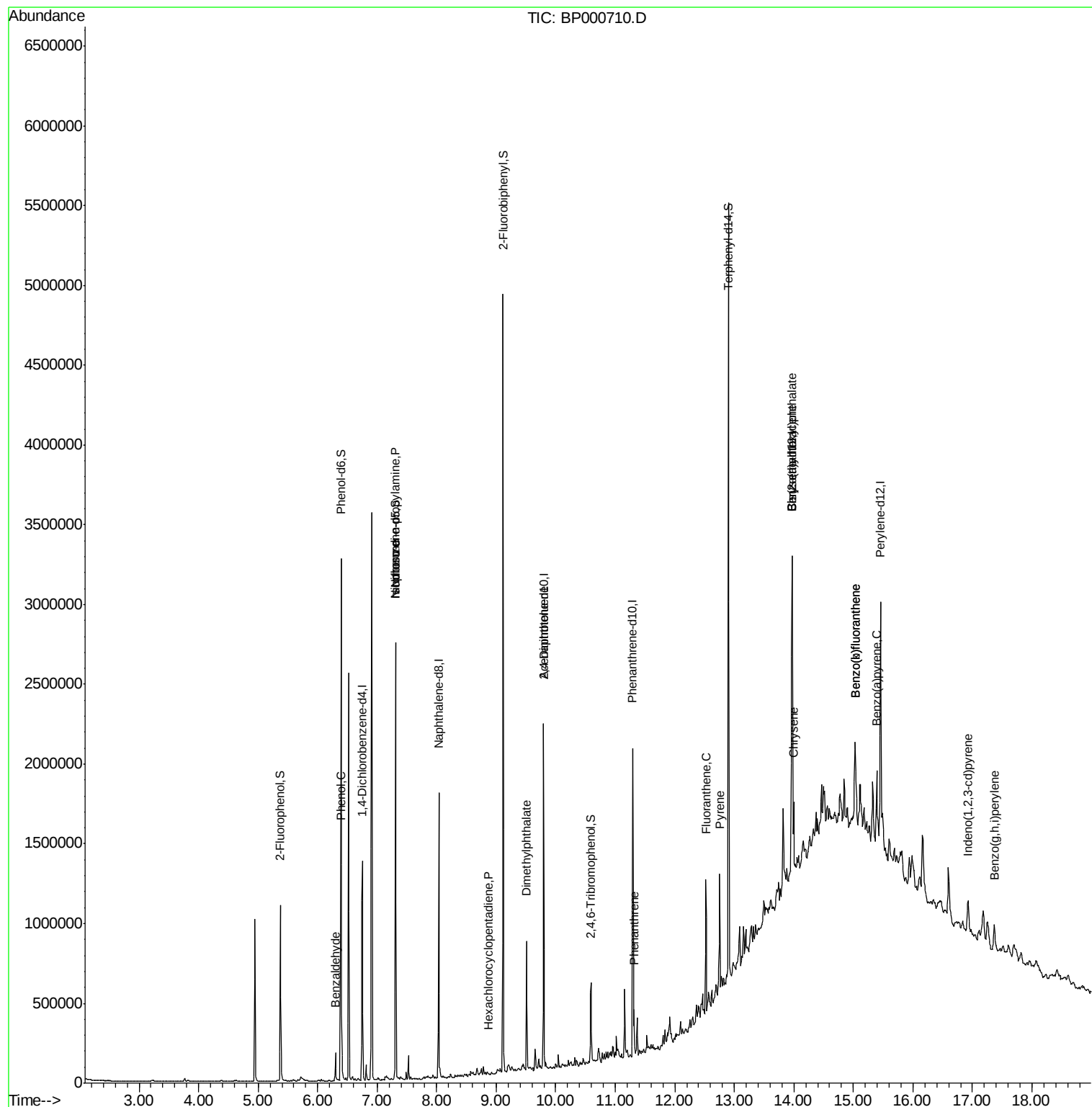
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	38463	4.743	ng	98
10) Phenol	6.40	94	91028	5.711	ng	91
19) n-Nitroso-di-n-propylamine	7.31	70	102258	14.251	ng	# 73
25) Isophorone	7.31	82	818698	37.461	ng	# 61
41) Hexachlorocyclopentadiene	8.88	237	25	7.301	ng	94
50) Dimethylphthalate	9.51	163	277531	9.842	ng	99
57) 2,4-Dinitrotoluene	9.80	165	53306	6.538	ng	# 32
71) Phenanthrene	11.32	178	88213	2.352	ng	98
75) Fluoranthene	12.52	202	304757	7.234	ng	99
78) Pyrene	12.75	202	325909	7.562	ng	99
81) Benzo(a)anthracene	13.96	228	179593	4.710	ng	# 78
83) Chrysene	14.00	228	178692	4.775	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	132525	5.610	ng	100
86) Indeno(1,2,3-cd)pyrene	16.93	276	139057	2.975	ng	96
88) Benzo(b)fluoranthene	15.03	252	356184	8.449	ng	# 87
89) Benzo(k)fluoranthene	15.03	252	356184	8.875	ng	# 89
90) Benzo(a)pyrene	15.39	252	218232	5.553	ng	# 89
92) Benzo(g,h,i)perylene	17.37	276	143706	3.711	ng	98

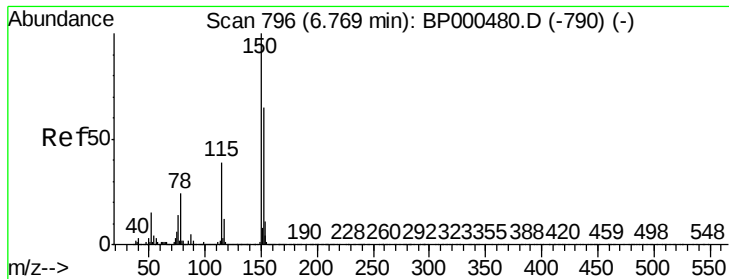
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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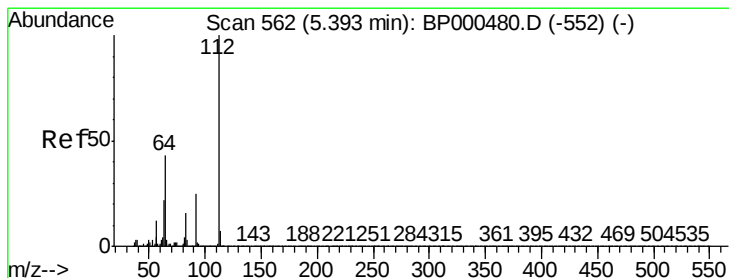
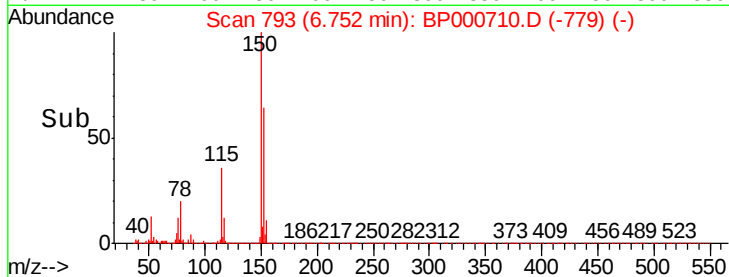
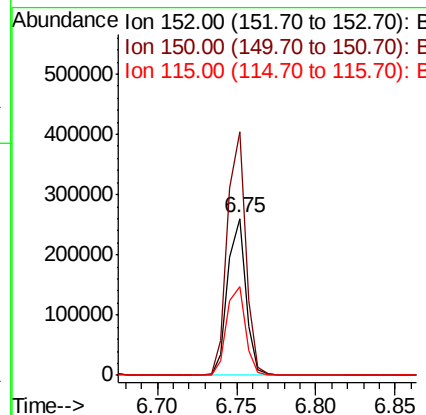
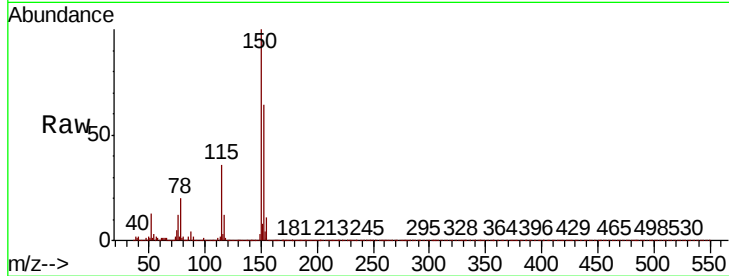


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :

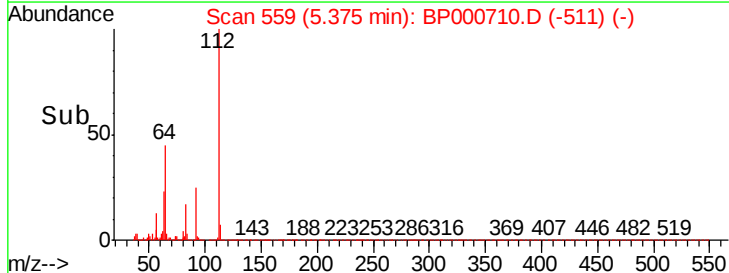
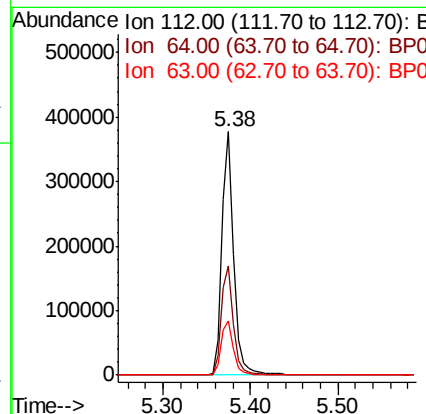
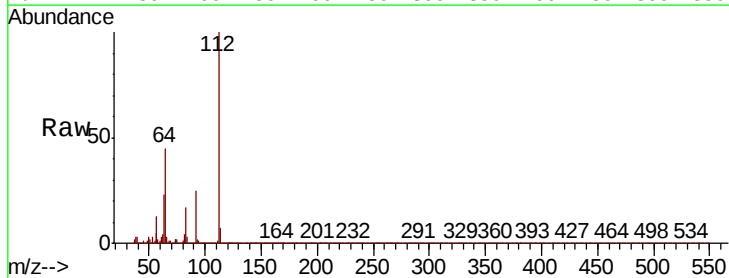
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.1	186.1
115	56.7	48.7	73.1

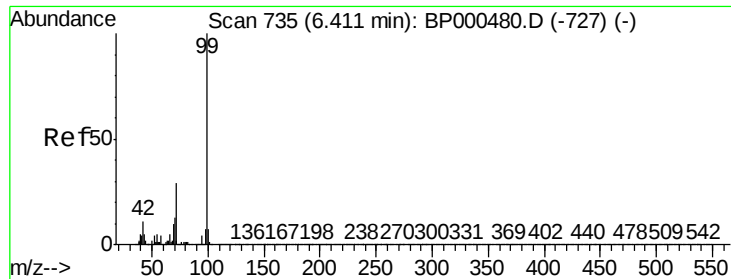


#5

2-Fluorophenol
Concen: 27.498 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.9	34.2	51.4
63	22.5	17.9	26.9





#7

Phenol-d6

Concen: 79.381 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

Instrument :

BNA_P

ClientSampleId :

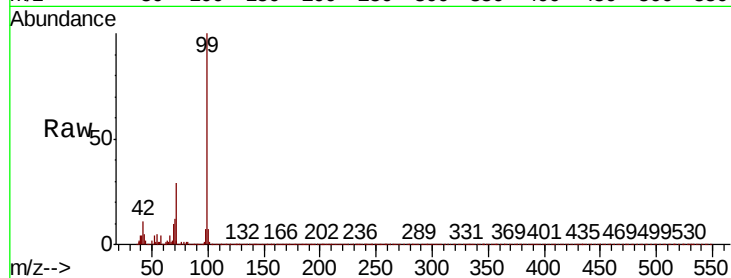
Tot Ion: 99 Resp: 1235734

Ion Ratio Lower Upper

99 100

42 10.6 8.6 12.8

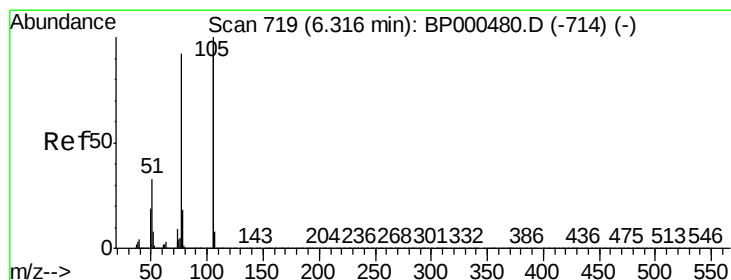
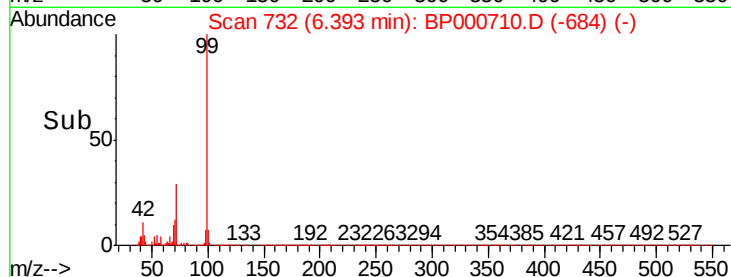
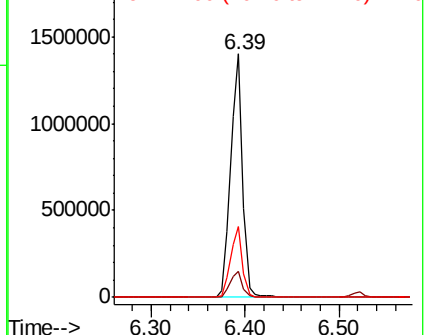
71 29.0 23.0 34.4



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: 4.743 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

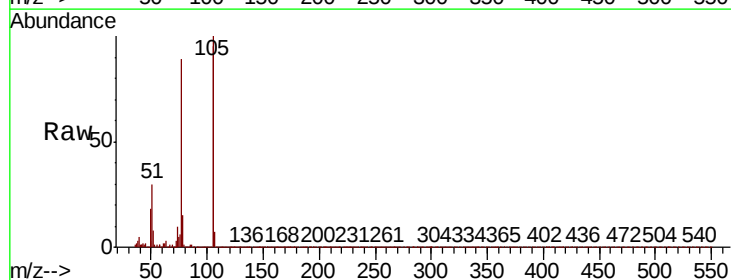
Tgt Ion: 77 Resp: 38463

Ion Ratio Lower Upper

77 100

105 112.3 88.3 128.3

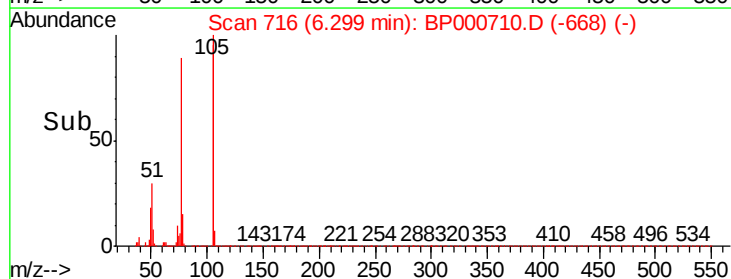
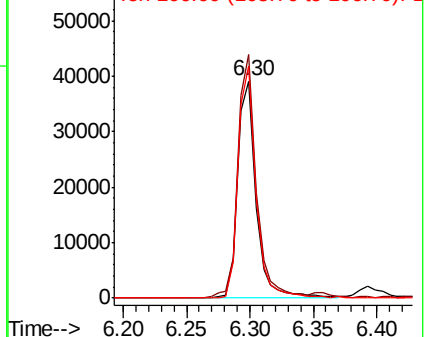
106 106.9 85.7 125.7

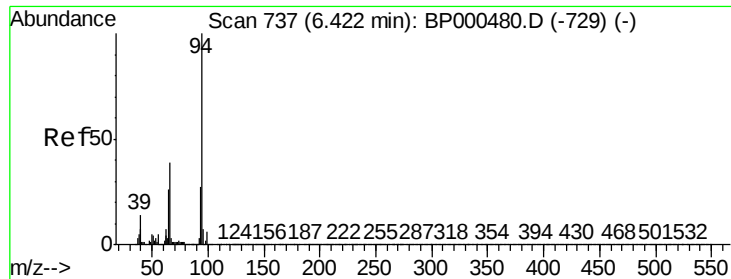


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

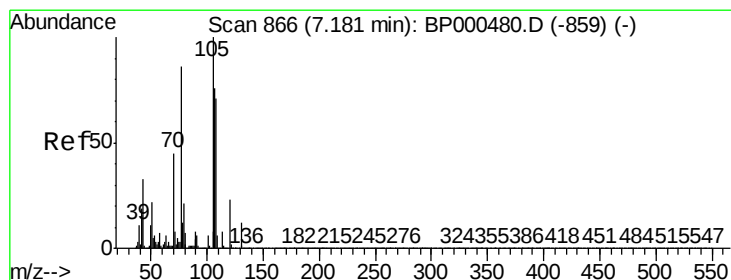
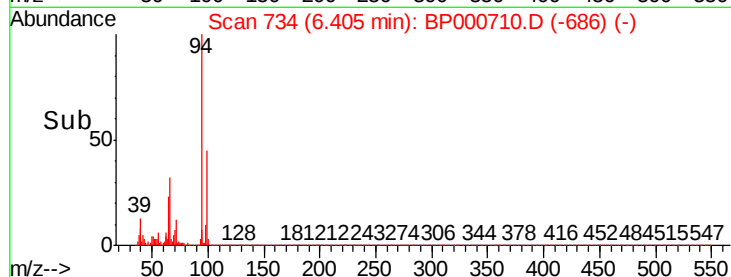
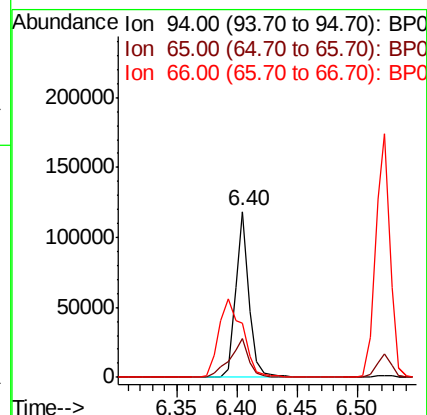
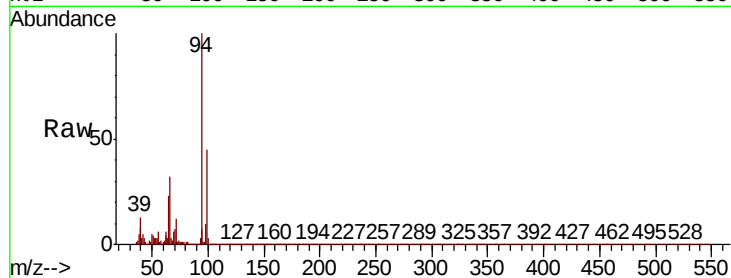




#10
Phenol
Concen: 5.711 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

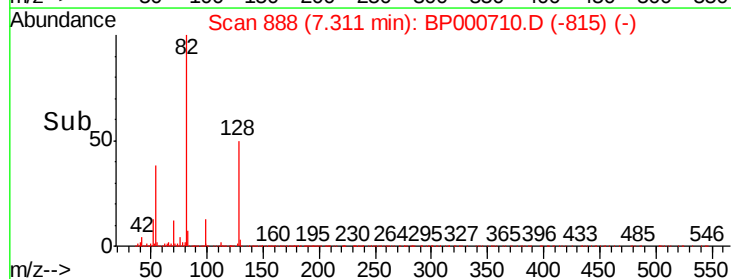
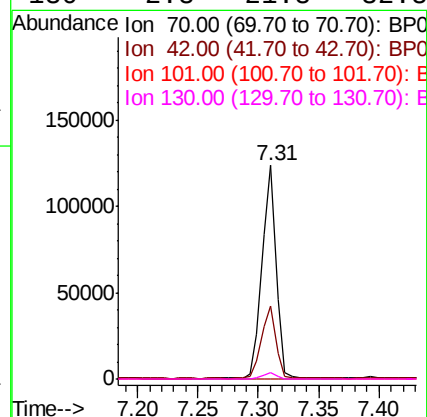
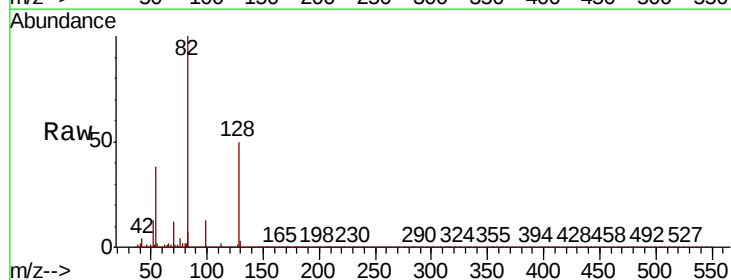
Instrument :
BNA_P
ClientSampleId :

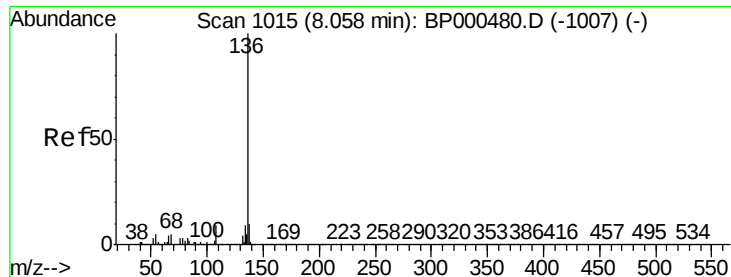
Tot Ion	Ion	Ratio	Lower	Upper
94	100			
65	23.0	5.9	45.9	
66	32.3	18.8	58.8	



#19
n-Nitroso-di-n-propylamine
Concen: 14.251 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.13 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	34.0	33.2	49.8	
101	0.1	9.9	14.9	#
130	2.8	21.8	32.8	#

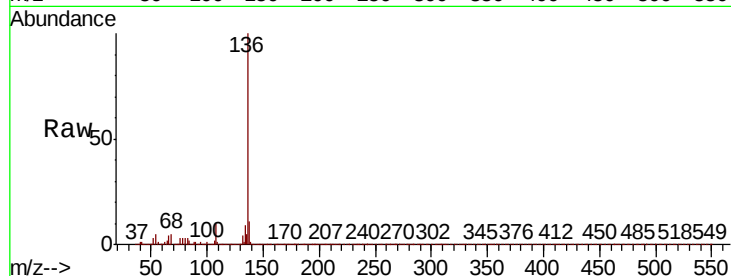




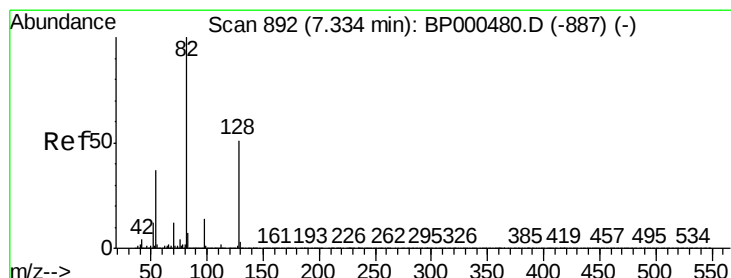
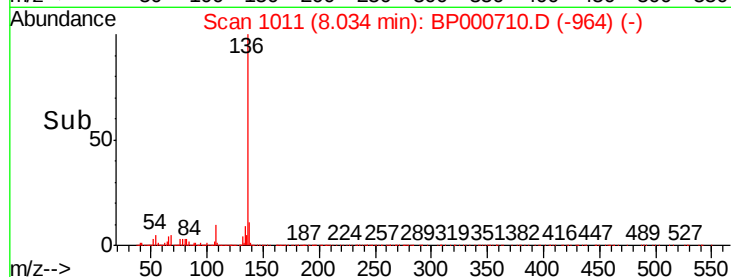
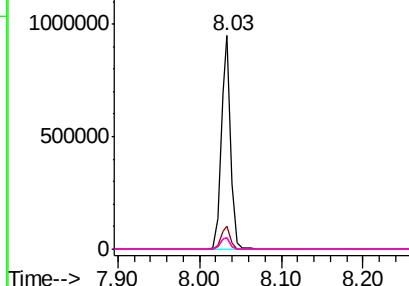
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136	Resp:	752075
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.2	12.4
54 5.3	4.1	6.1
68 5.3	4.1	6.1

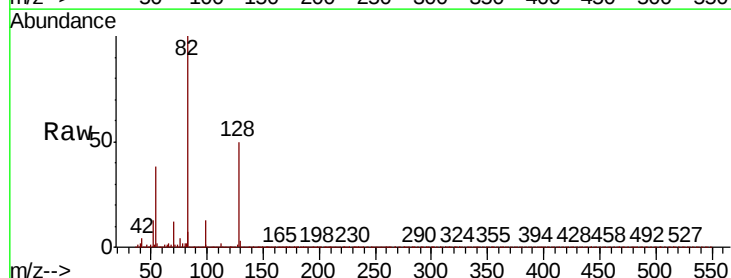


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

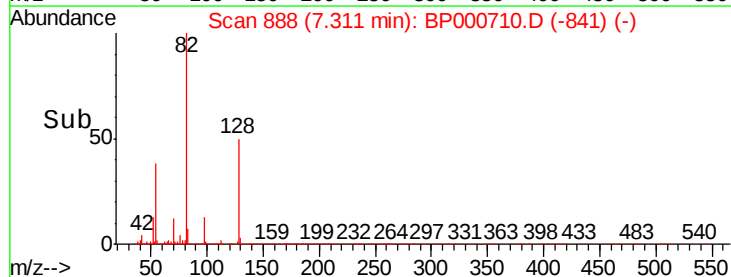
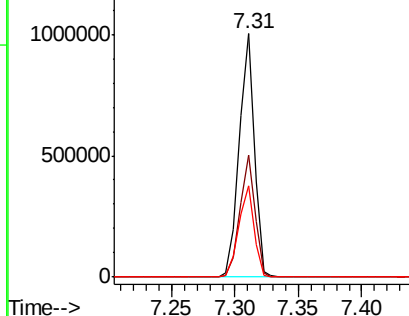


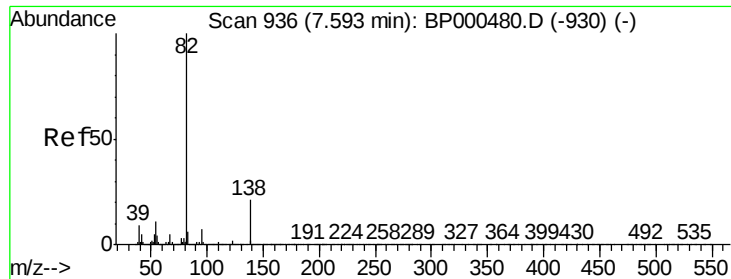
#23
Nitrobenzene-d5
Concen: 66.581 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion: 82	Resp:	819865
Ion Ratio	Lower	Upper
82 100		
128 50.2	40.9	61.3
54 37.6	29.4	44.2



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





#25

Isophorone

Concen: 37.461 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

Instrument :

BNA_P

ClientSampleId :

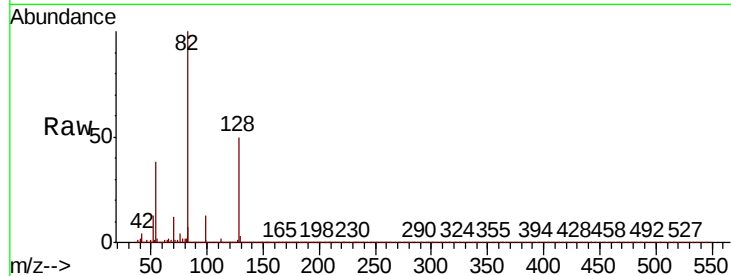
Tot Ion: 82 Resp: 818698

Ion Ratio Lower Upper

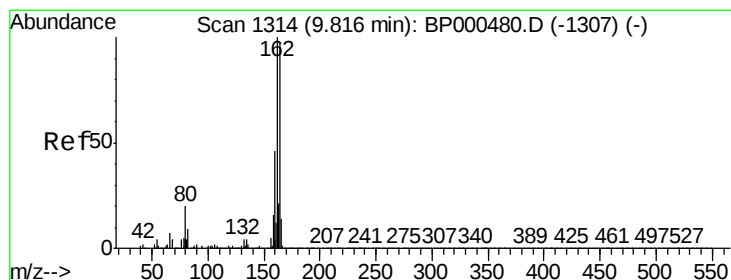
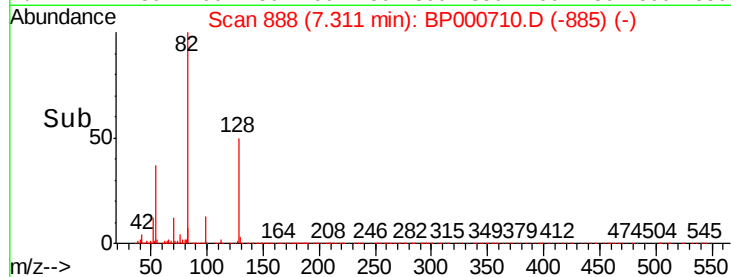
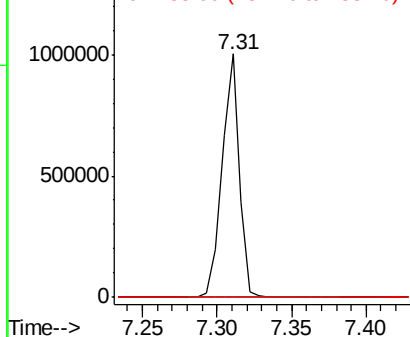
82 100

95 0.0 5.8 8.6#

138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 95.00 (94.70 to 95.70): BP0
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

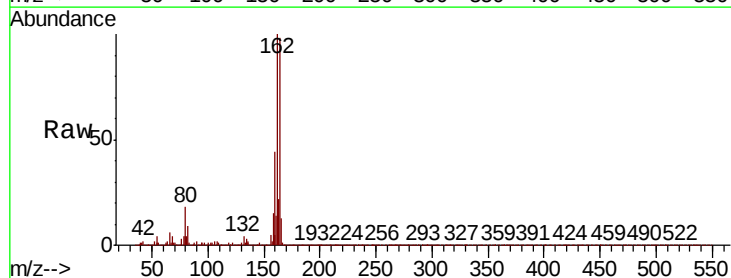
Tgt Ion:164 Resp: 405832

Ion Ratio Lower Upper

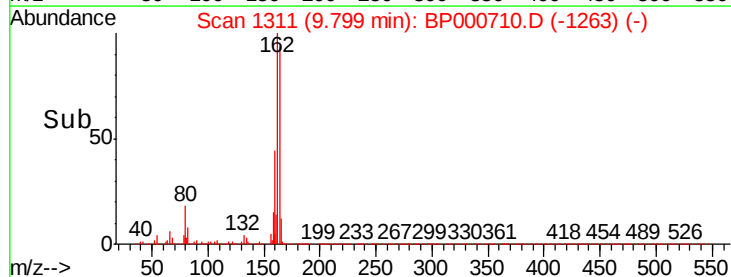
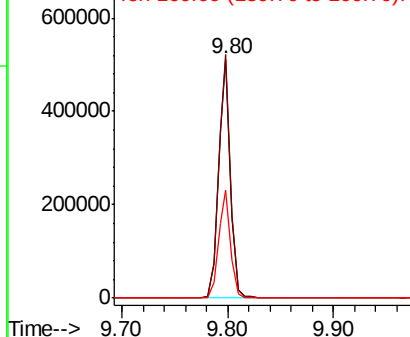
164 100

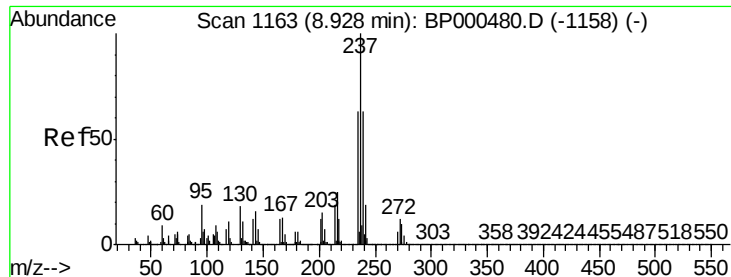
162 102.0 82.2 123.2

160 45.3 37.6 56.4



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





#41

Hexachlorocyclopentadiene

Concen: 7.301 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.05 min

Lab File: BP000710.D

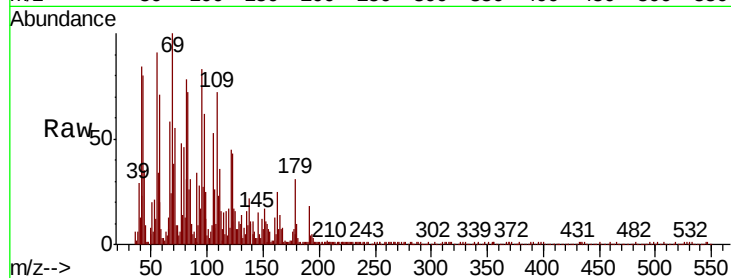
Acq: 14 Oct 2019 15:05

Instrument :

BNA_P

ClientSampleId :

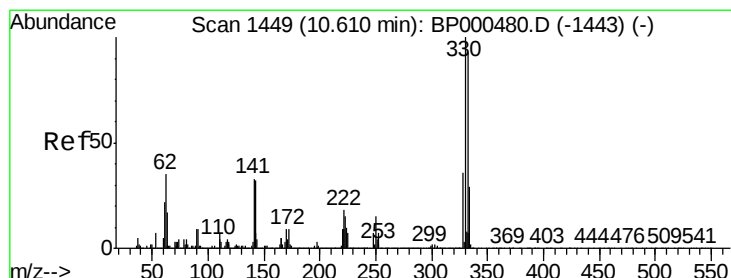
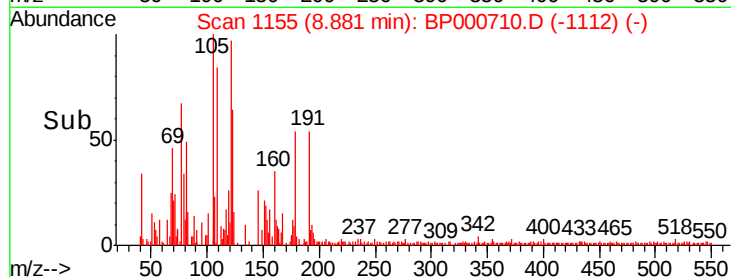
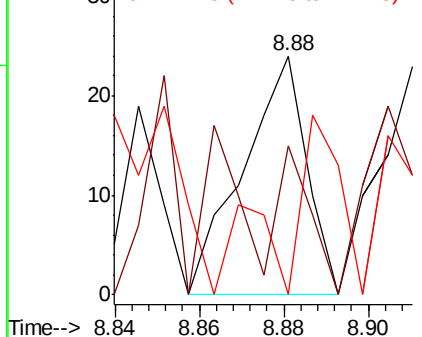
Tot Ion:	237	Resp:	25
Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.9	82.9
272	0.0	0.0	32.4



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: 15.119 ng

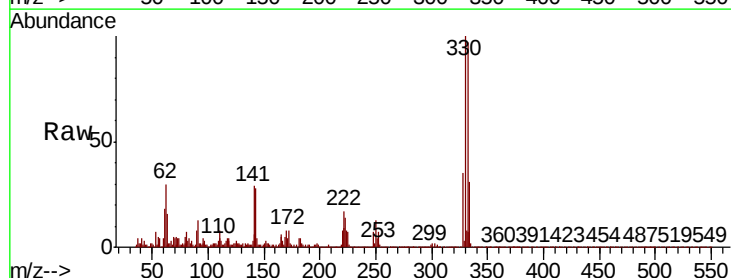
RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

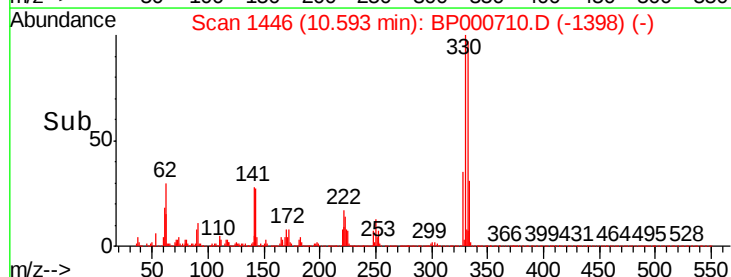
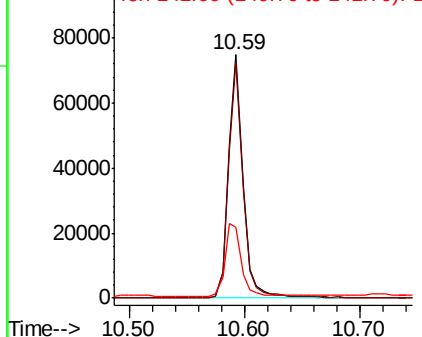
Tgt Ion:	330	Resp:	65382
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	32.5	26.0	39.0

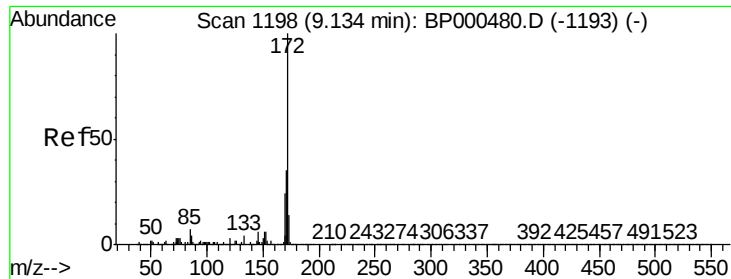


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

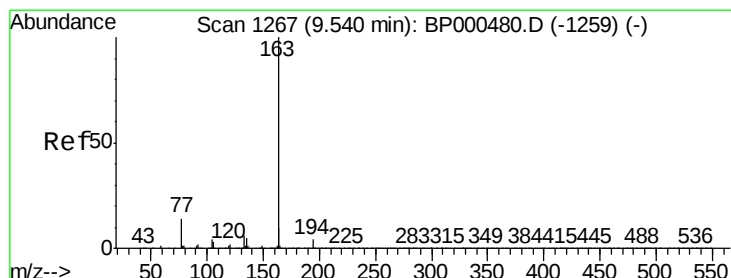
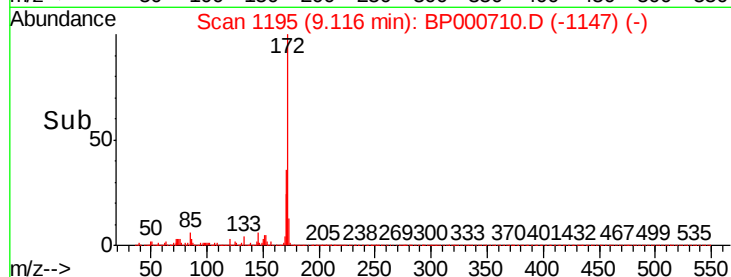
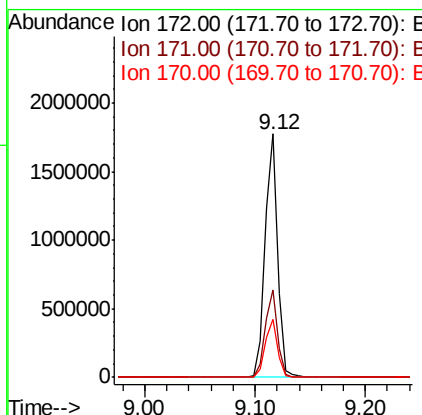
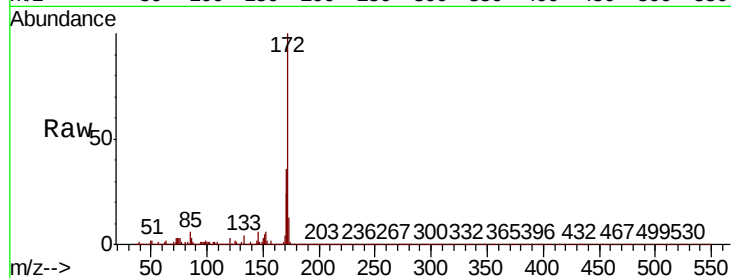




#45
2-Fluorobiphenyl
Concen: 56.159 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

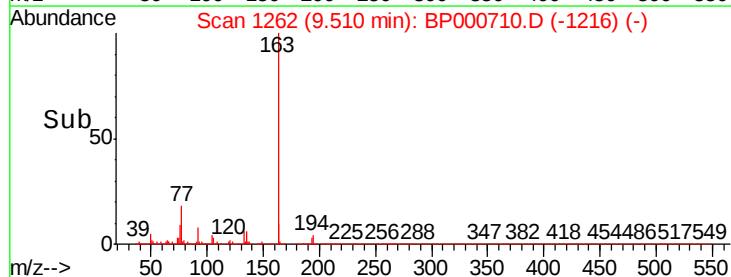
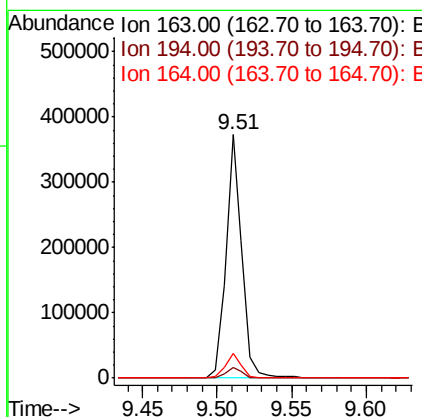
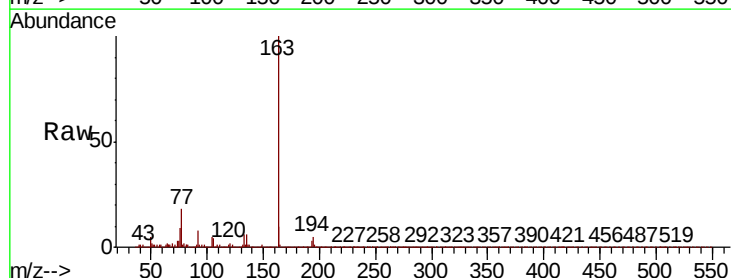
Instrument :
BNA_P
ClientSampleId :

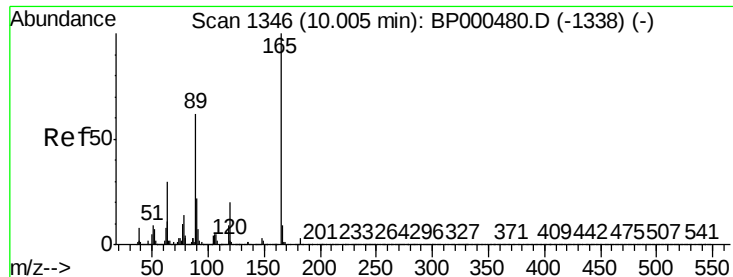
Tot Ion:172 Resp: 1408599
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.8 19.1 28.7



#50
Dimethylphthalate
Concen: 9.842 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion:163 Resp: 277531
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 10.4 8.0 12.0

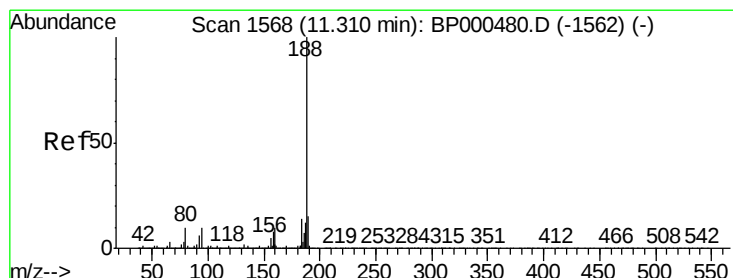
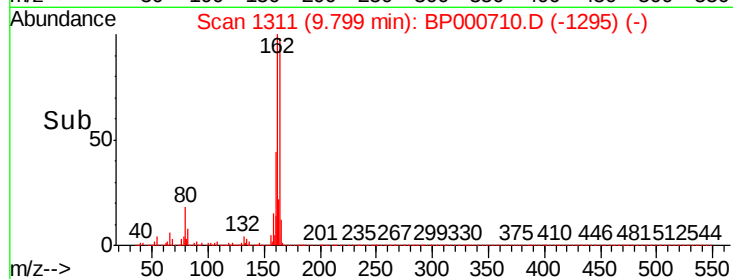
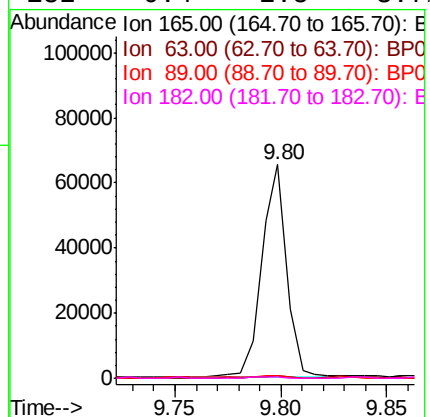
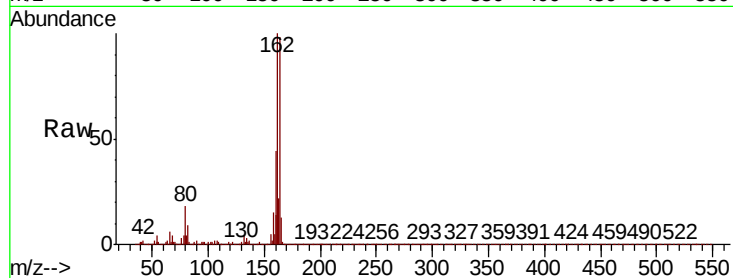




#57
2,4-Dinitrotoluene
Concen: 6.538 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

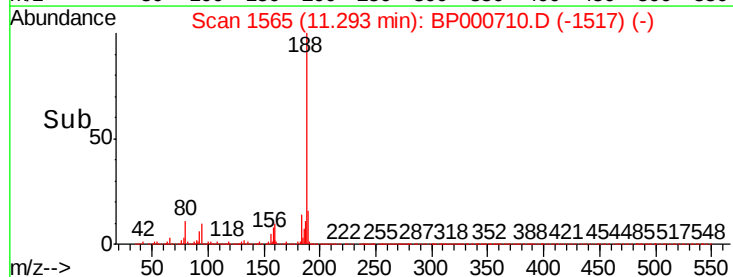
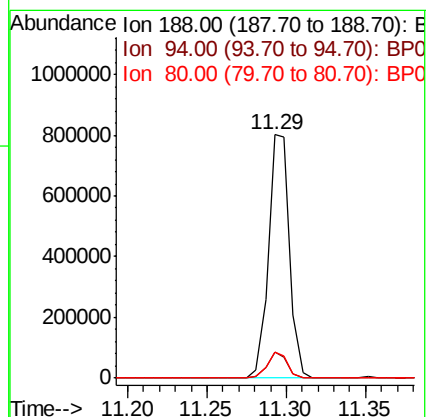
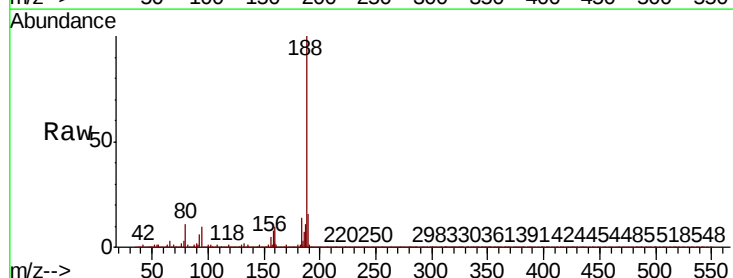
Instrument :
BNA_P
ClientSampleId :

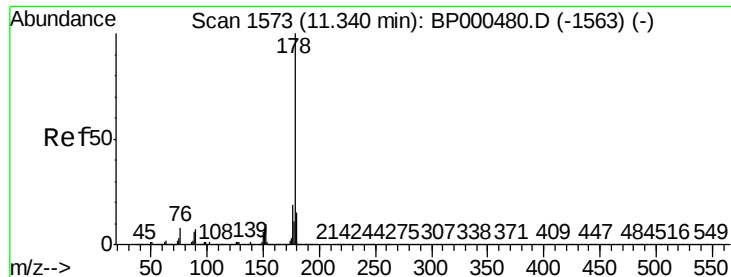
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	24.2	36.4#
89	1.4	49.4	74.0#
182	0.4	2.5	3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.2
80	10.9	8.3	12.5

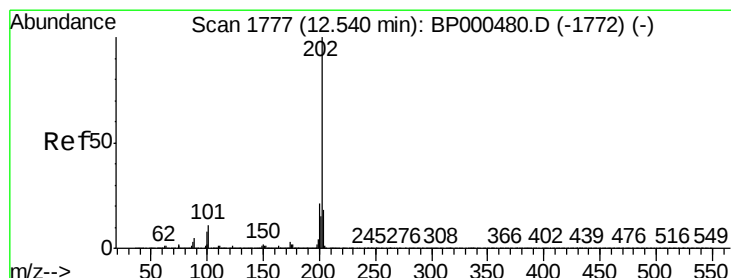
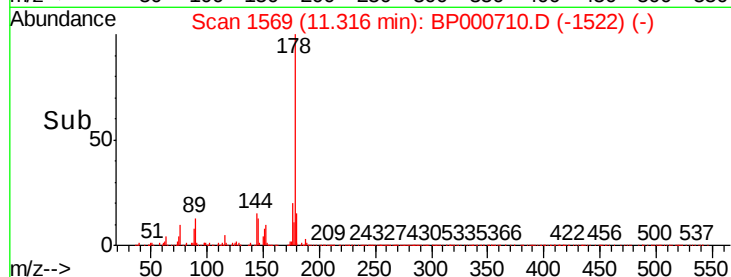
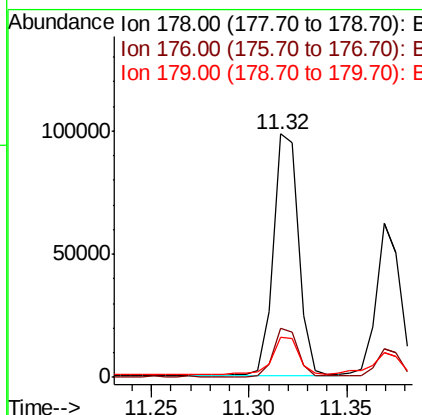
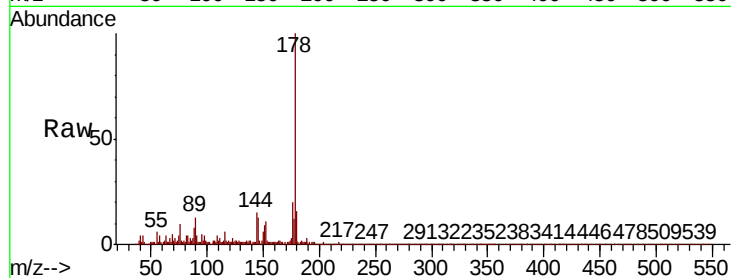




#71
Phenanthrene
Concen: 2.352 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

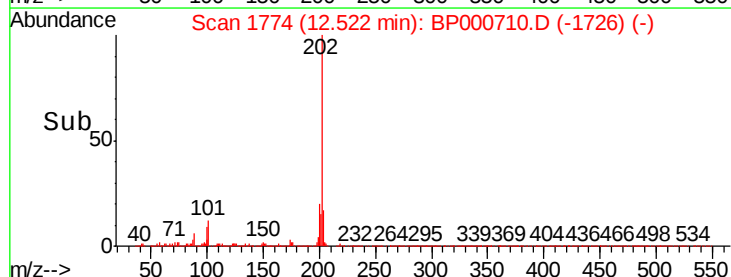
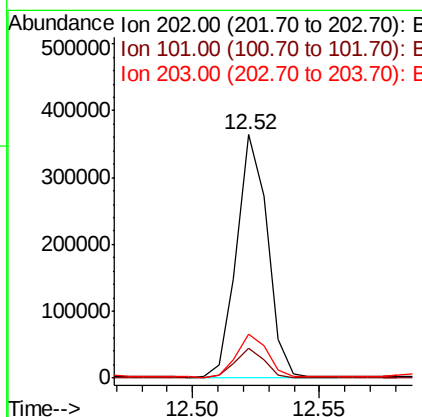
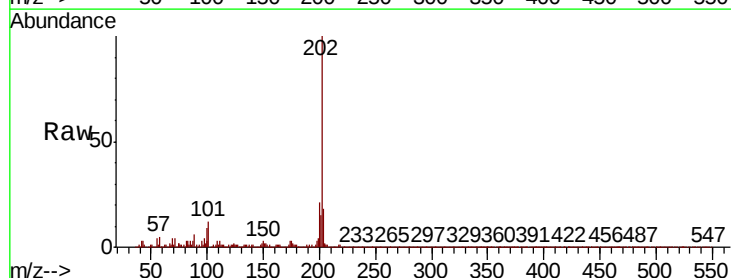
Instrument :
BNA_P
ClientSampled :

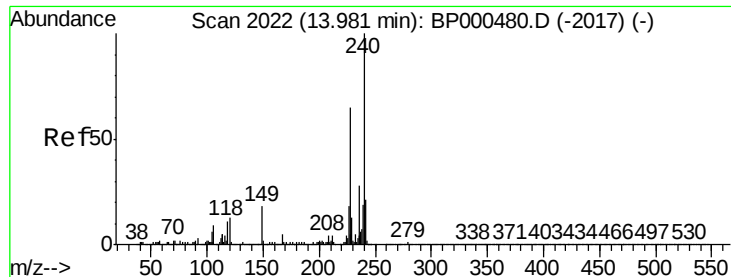
Tot Ion:178 Resp: 88213
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 16.2 12.2 18.4



#75
Fluoranthene
Concen: 7.234 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion:202 Resp: 304757
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.3
203 17.8 0.0 38.1

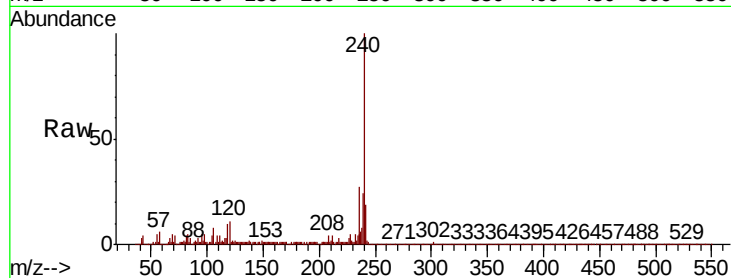




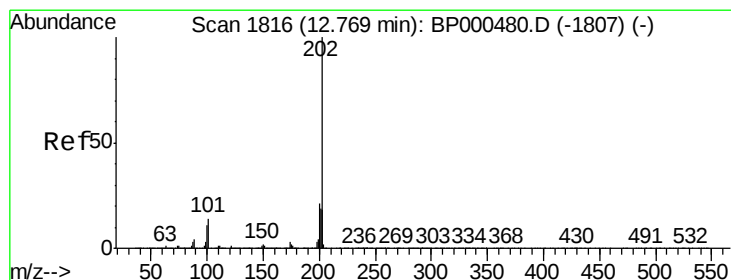
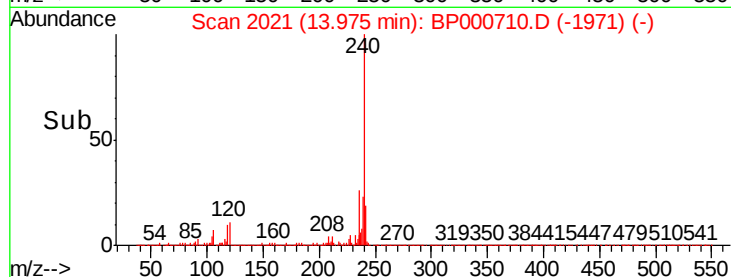
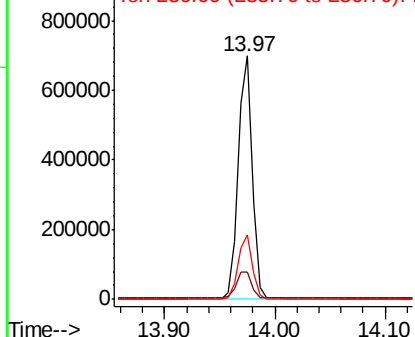
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 624921
Ion Ratio Lower Upper
240 100
120 11.0 10.1 15.1
236 26.5 22.7 34.1

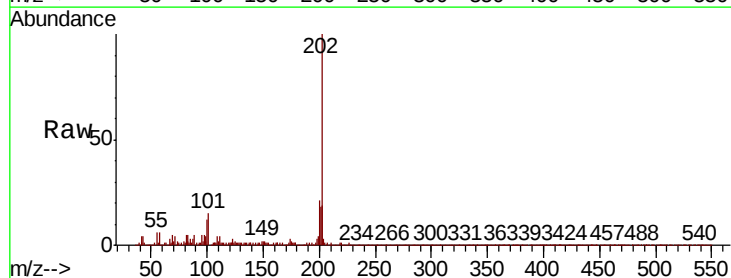


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

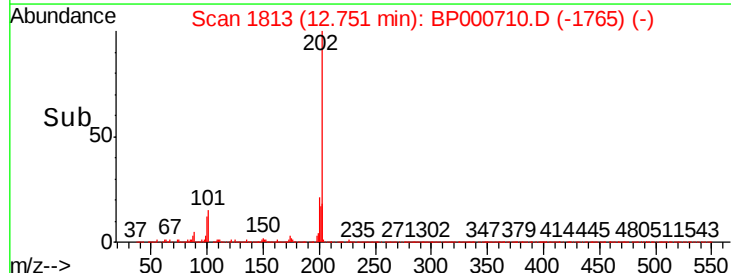
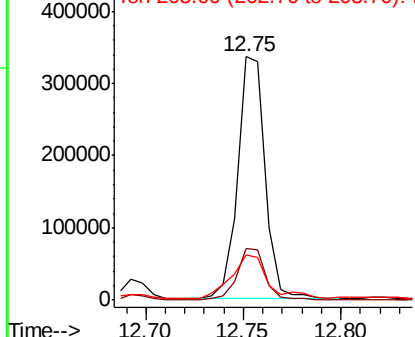


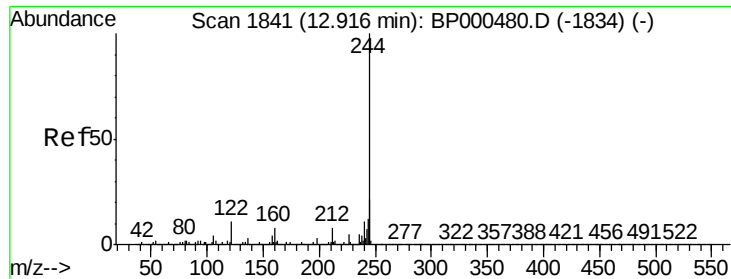
#78
Pyrene
Concen: 7.562 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion:202 Resp: 325909
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 18.7 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

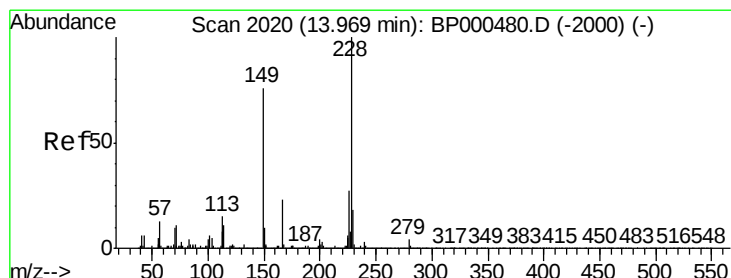
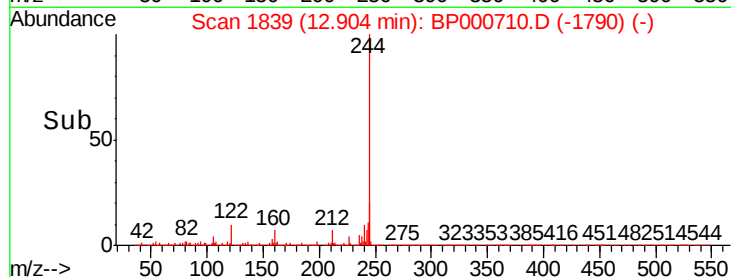
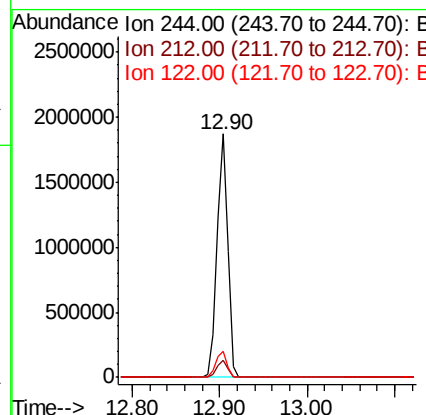
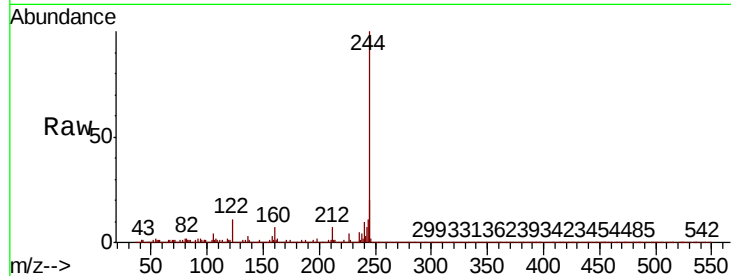




#79
 Terphenyl-d14
 Concen: 51.892 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BP000710.D
 Acq: 14 Oct 2019 15:05

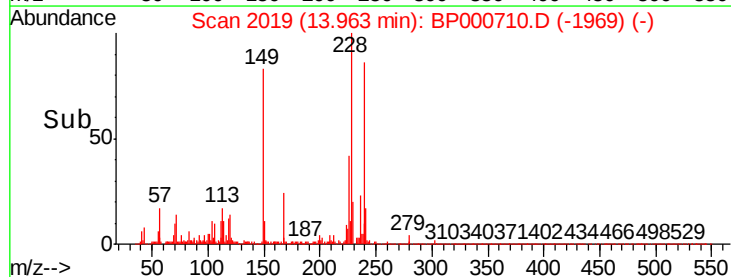
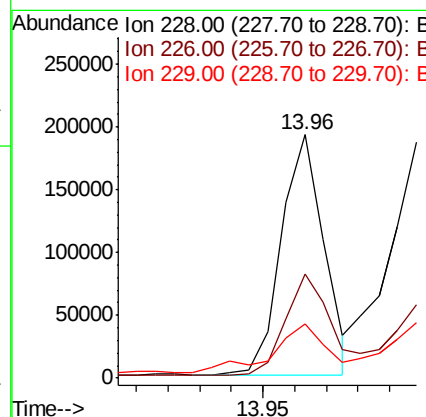
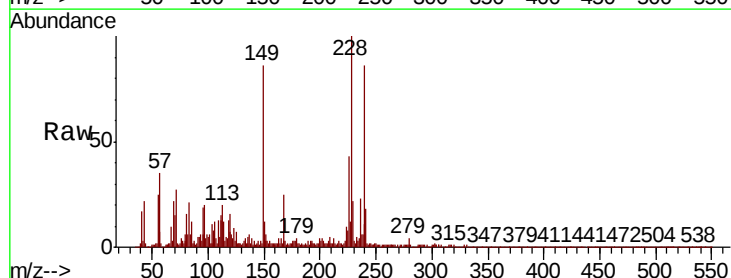
Instrument :
 BNA_P
 ClientSampled :

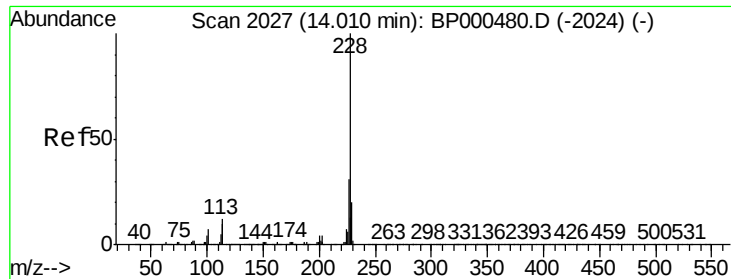
Tot Ion:244 Resp: 1601629
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 10.5 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 4.710 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BP000710.D
 Acq: 14 Oct 2019 15:05

Tgt Ion:228 Resp: 179593
 Ion Ratio Lower Upper
 228 100
 226 42.6 21.4 32.2#
 229 22.4 14.7 22.1#





#83

Chrysene

Concen: 4.775 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

Instrument :

BNA_P

ClientSampled :

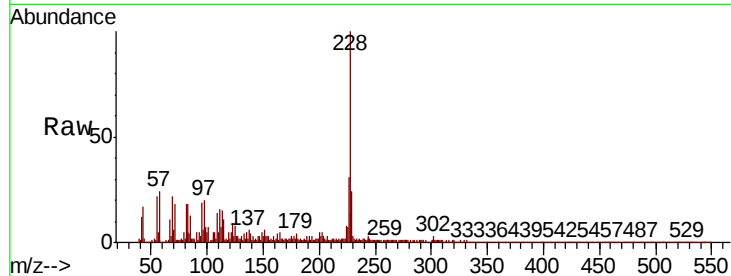
Tot Ion:228 Resp: 178692

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 23.6 16.3 24.5

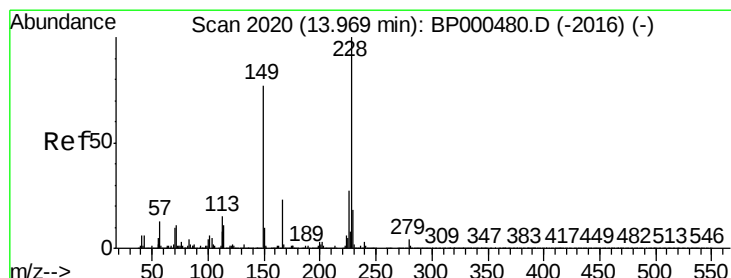
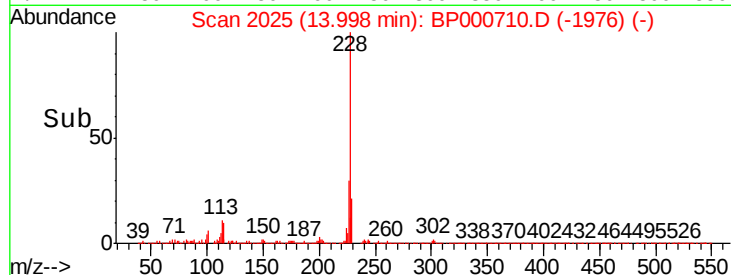
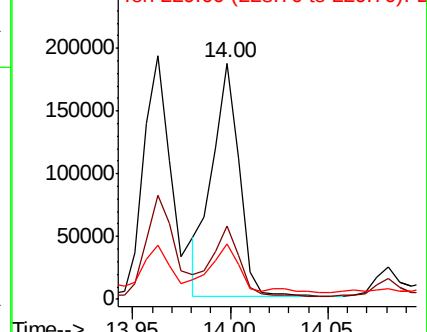


Abundance

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: 5.610 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

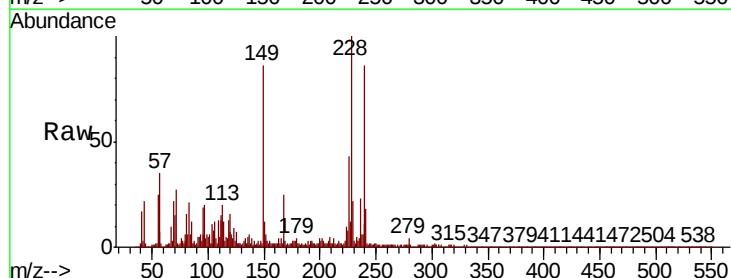
Tgt Ion:149 Resp: 132525

Ion Ratio Lower Upper

149 100

167 29.4 23.6 35.4

279 5.2 3.9 5.9

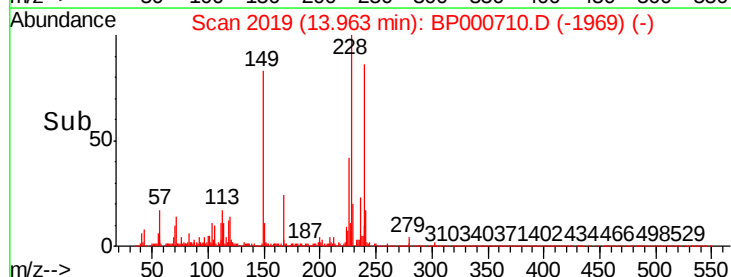
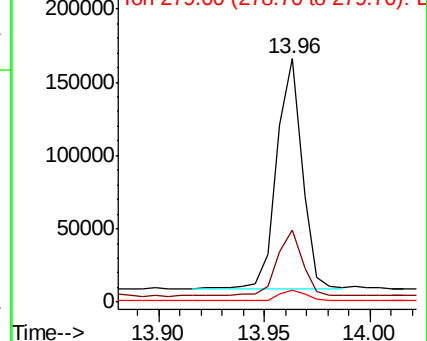


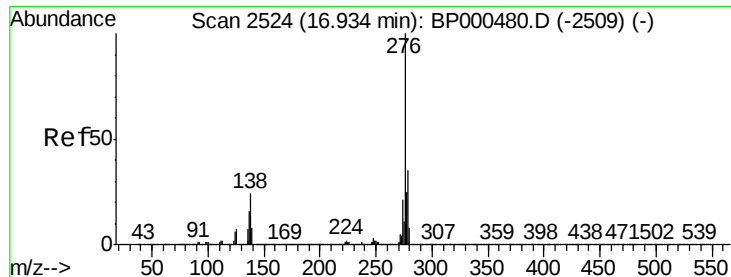
Abundance

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

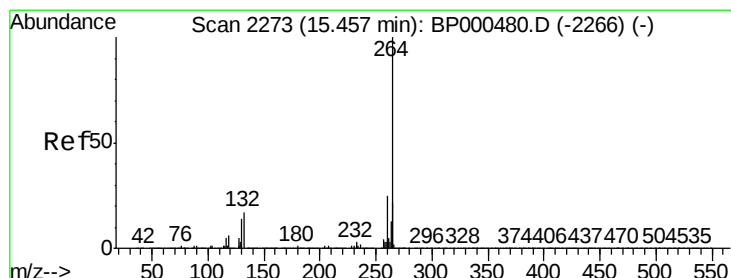
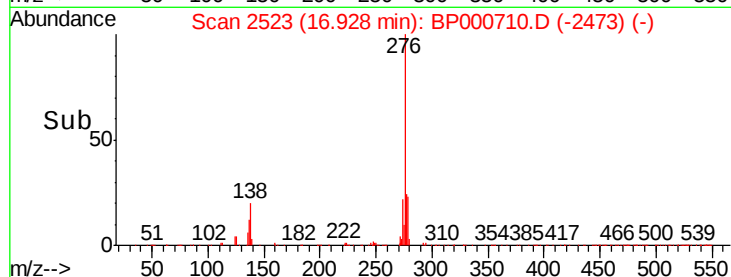
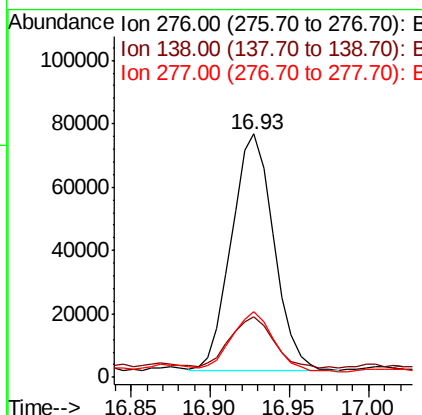
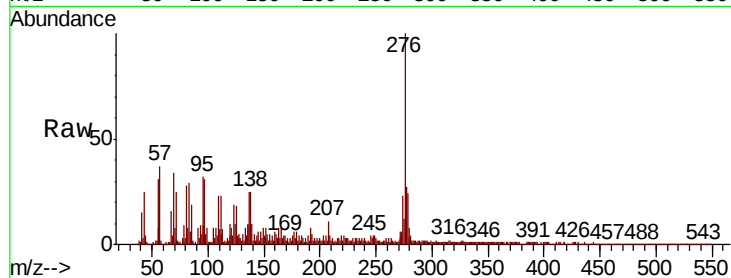




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.975 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BP000710.D
 Acq: 14 Oct 2019 15:05

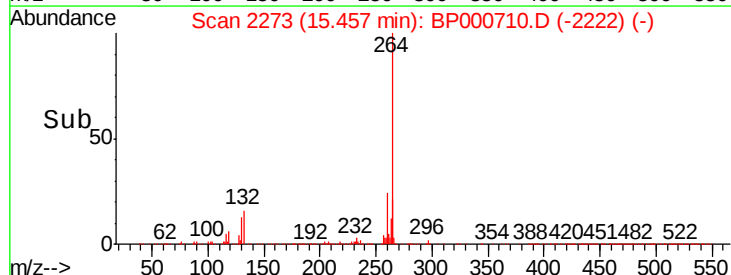
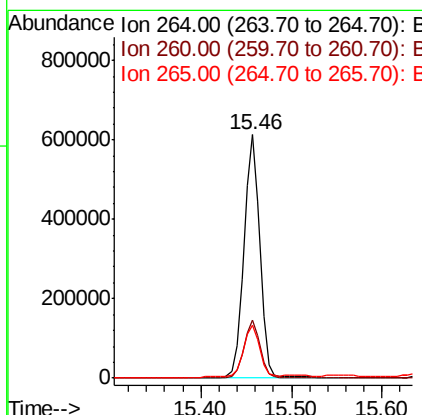
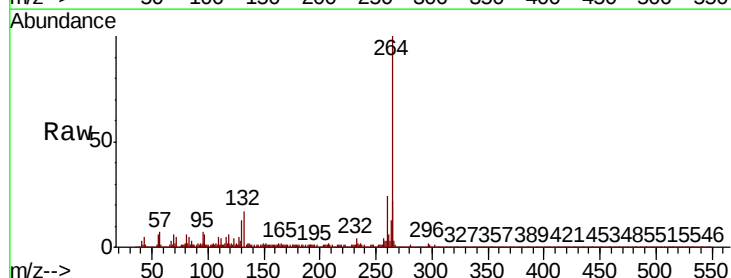
Instrument :
 BNA_P
 ClientSampled :

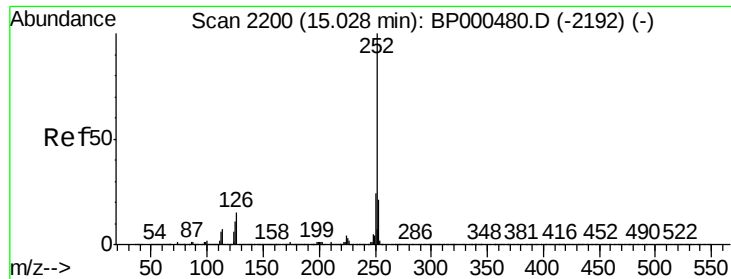
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.9	31.3
277	25.8	20.6	30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BP000710.D
 Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.3	30.5
265	21.8	18.0	27.0

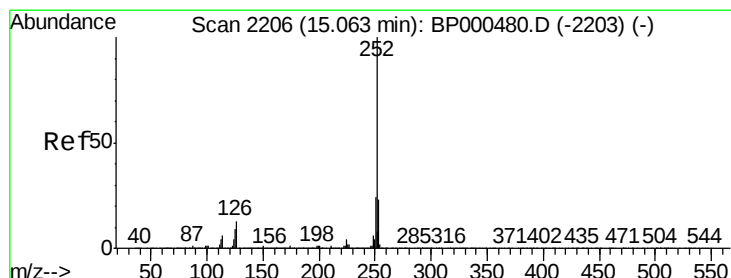
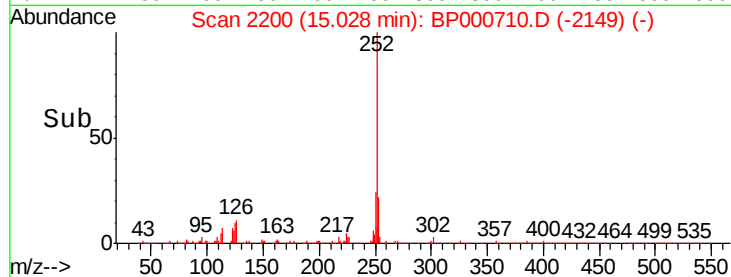
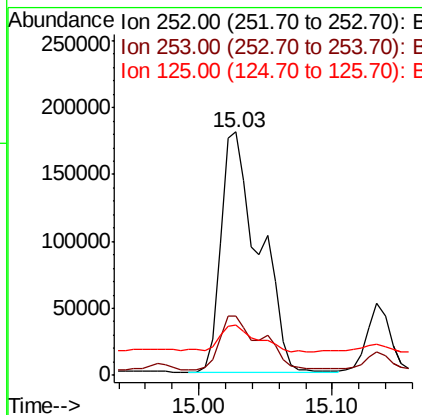
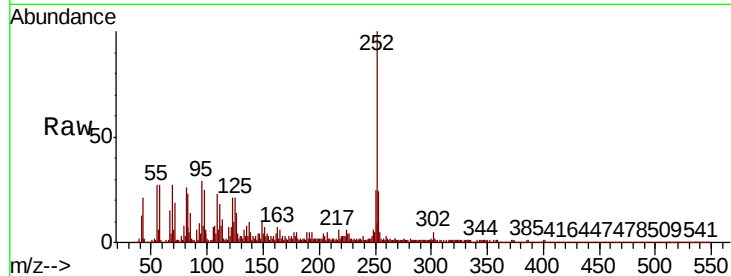




#88
Benzo(b)fluoranthene
Concen: 8.449 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

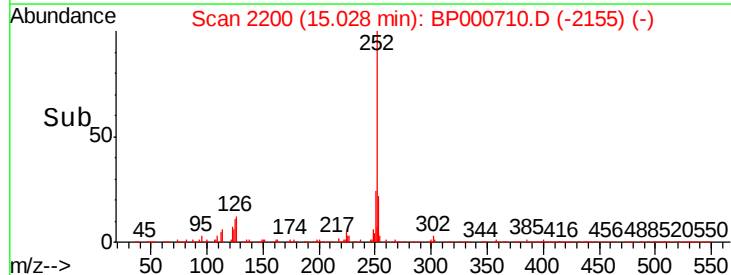
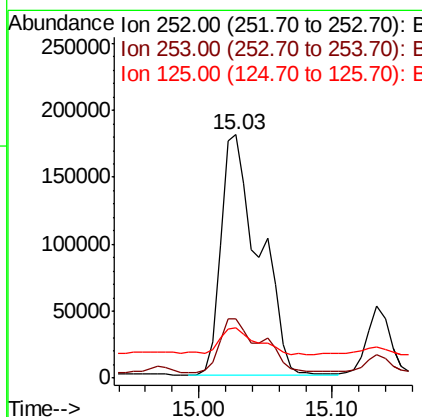
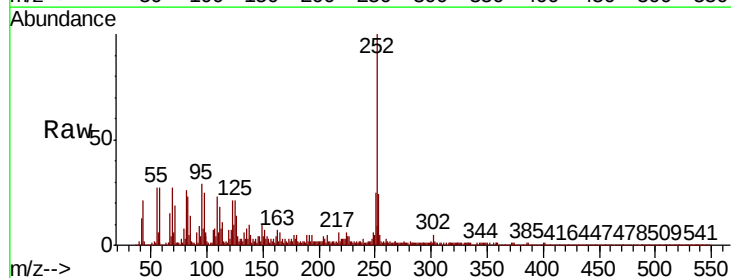
Instrument :
BNA_P
ClientSampleId :

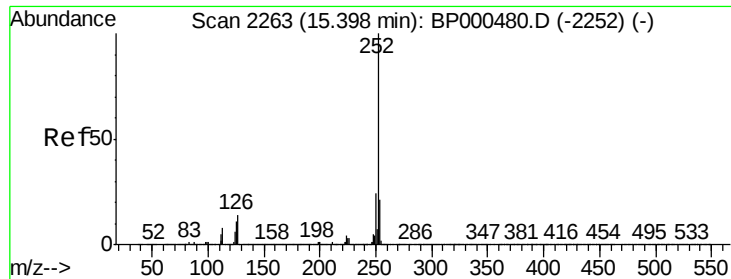
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.4
125	20.8	8.9	13.3#



#89
Benzo(k)fluoranthene
Concen: 8.875 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BP000710.D
Acq: 14 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	20.8	7.8	11.8#





#90

Benzo(a)pyrene

Concen: 5.553 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BP000710.D

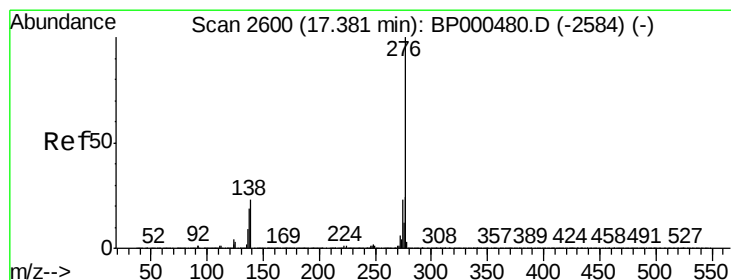
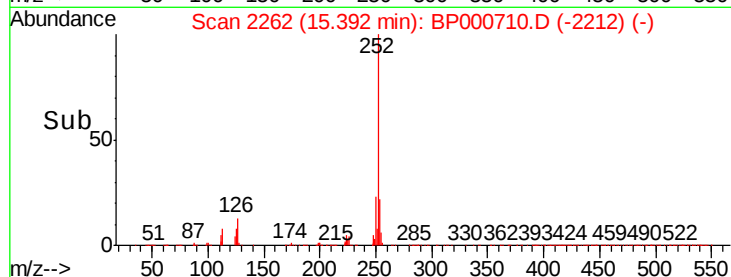
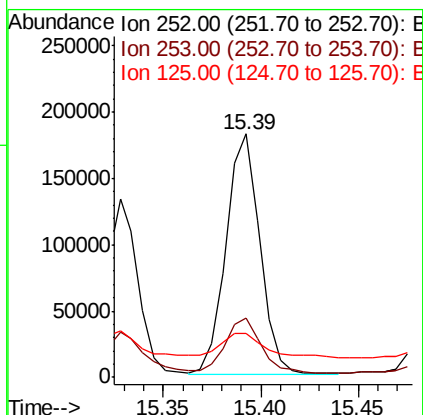
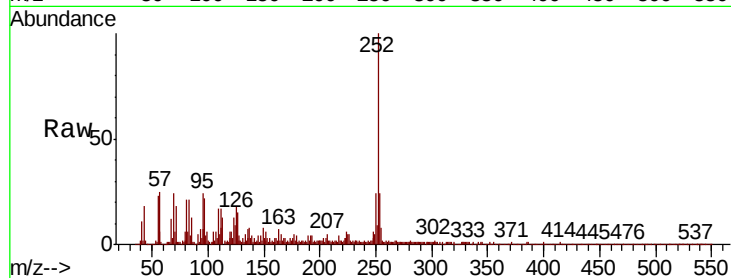
Acq: 14 Oct 2019 15:05

Instrument :

BNA_P

ClientSampleId :

Tot Ion:252	Resp:	218232
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.0 25.6
125	18.2	8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 3.711 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.01 min

Lab File: BP000710.D

Acq: 14 Oct 2019 15:05

Tgt Ion:276	Resp:	143706
Ion Ratio	Lower	Upper
276	100	
277	24.8	19.4 29.2
138	24.3	18.5 27.7

