

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092719\
 Data File : BP000467.D
 Acq On : 27 Sep 2019 19:08
 Operator : JU
 Sample : K5038-05DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 27 23:13:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	238128	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	873162	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	217332	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	396536	20.00	ng	0.00
76) Chrysene-d12	14.00	240	341651	20.00	ng	0.00
87) Perylene-d12	15.49	264	393781	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	312509	22.66	ng	0.00
7) Phenol-d6	6.42	99	399197	23.61	ng	0.00
23) Nitrobenzene-d5	7.34	82	209546	15.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	58372	27.08	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	505015	41.82	ng	0.00
79) Terphenyl-d14	12.93	244	285566	17.53	ng	0.00

Target Compounds

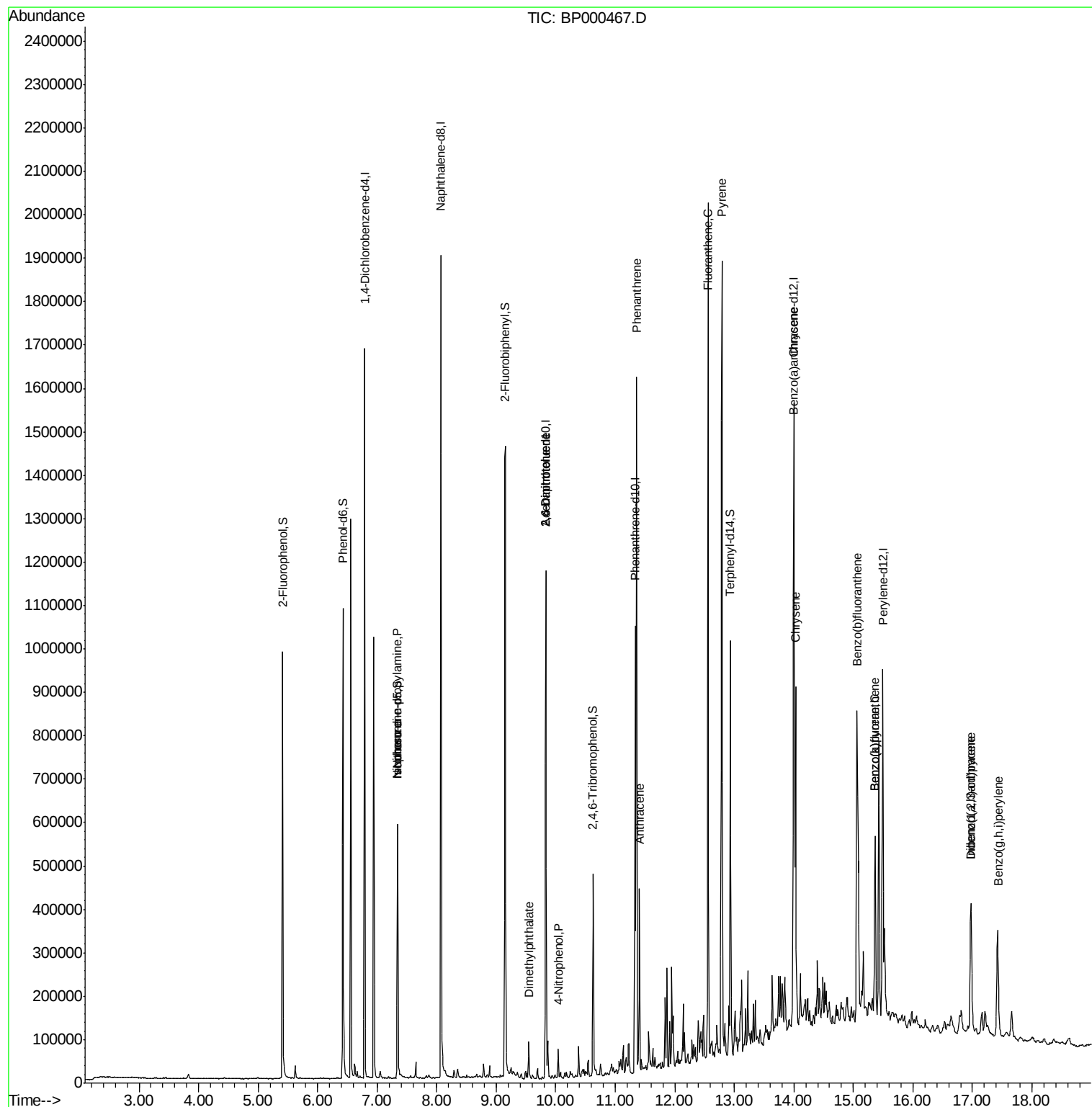
						Qvalue
9) Benzaldehyde	6.33	77	341	Below Cal	#	78
19) n-Nitroso-di-n-propylamine	7.34	70	25881	2.895 ng	#	77
25) Isophorone	7.34	82	209395	7.814 ng	#	63
50) Dimethylphthalate	9.55	163	35506	2.398 ng		99
51) 2,6-Dinitrotoluene	9.83	165	28952	8.893 ng	#	30
56) 4-Nitrophenol	10.04	139	9421	3.352 ng	#	16
57) 2,4-Dinitrotoluene	9.83	165	28999	6.813 ng	#	35
69) Atrazine	11.02	200	82	Below Cal	#	64
71) Phenanthrene	11.36	178	553972	27.878 ng		98
72) Anthracene	11.40	178	154350	7.546 ng		98
75) Fluoranthene	12.56	202	835131	39.139 ng		93
78) Pyrene	12.79	202	746796	29.216 ng		99
81) Benzo(a)anthracene	13.99	228	351110	16.269 ng		99
83) Chrysene	14.03	228	300683	14.190 ng		96
86) Indeno(1,2,3-cd)pyrene	16.97	276	216698	8.390 ng	#	86
88) Benzo(b)fluoranthene	15.06	252	542530	23.095 ng	#	95
89) Benzo(k)fluoranthene	15.36	252	165719	8.087 ng		99
90) Benzo(a)pyrene	15.36	252	203545	9.522 ng		98
91) Dibenzo(a,h)anthracene	16.98	278	46229	2.320 ng	#	80
92) Benzo(a,h,i)perylene	17.43	276	211875	10.343 ng	#	91

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

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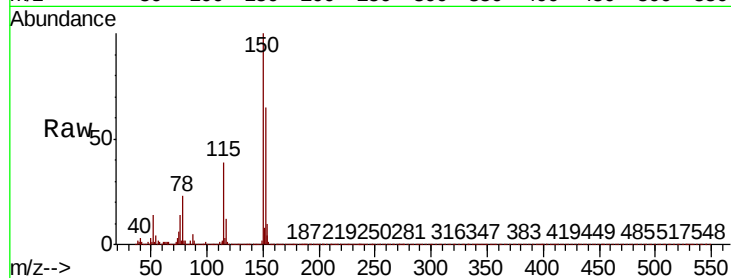


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.2	187.8
115	59.2	49.7	74.5

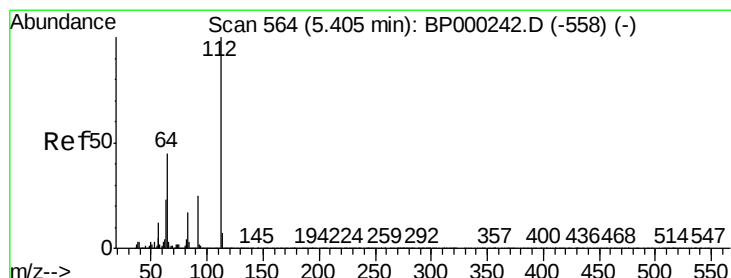
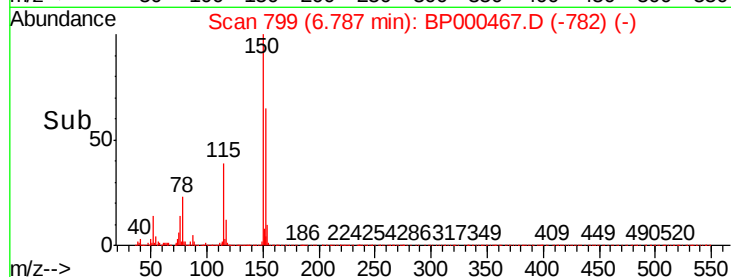
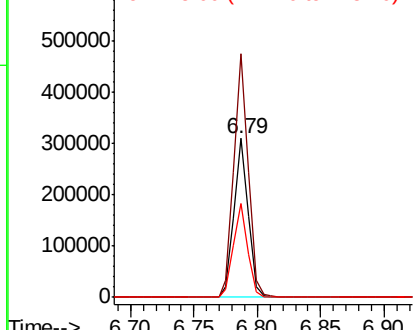


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

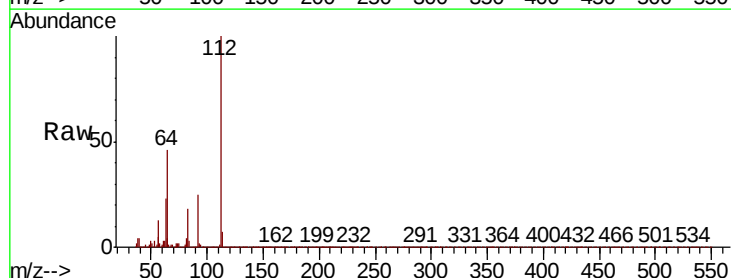
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.656 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.5	36.2	54.4
63	23.0	18.3	27.5

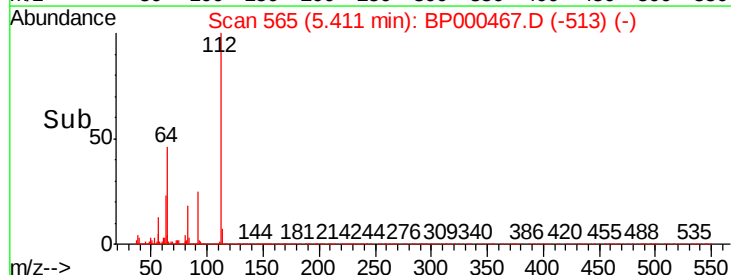
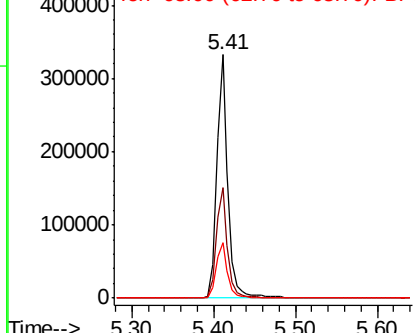


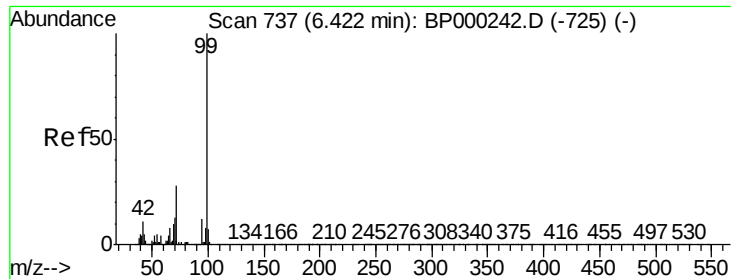
Abundance

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: 23.610 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

ClientSampleId :

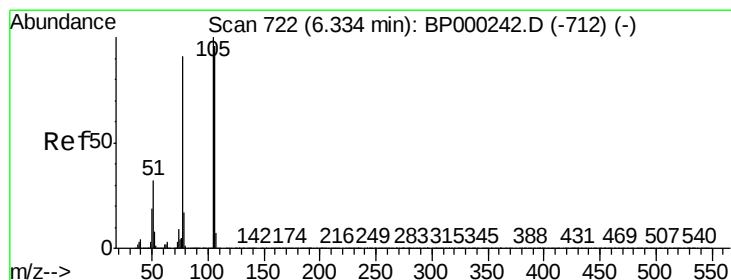
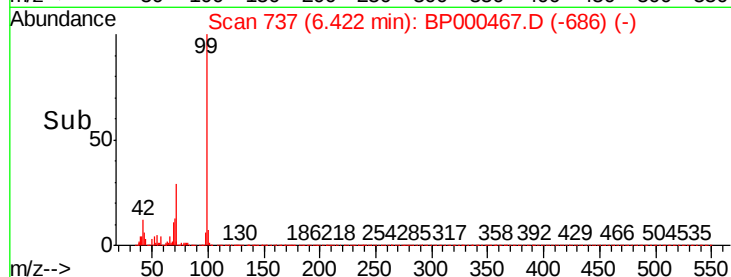
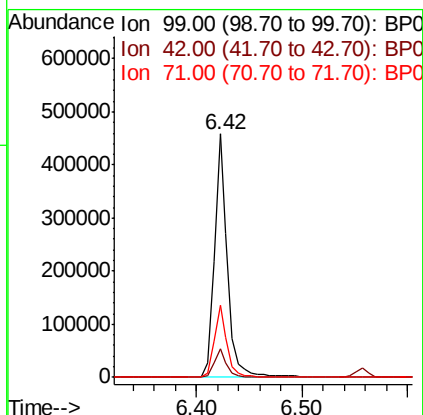
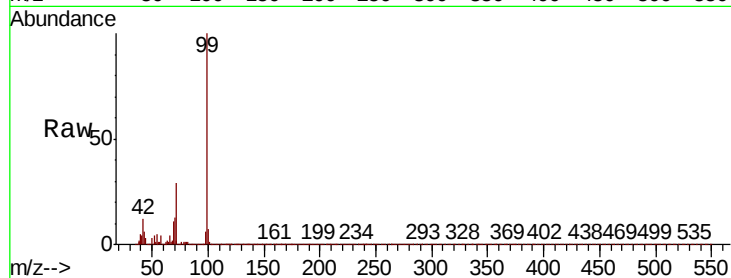
Tot Ion: 99 Resp: 399197

Ion Ratio Lower Upper

99 100

42 11.7 8.5 12.7

71 29.5 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

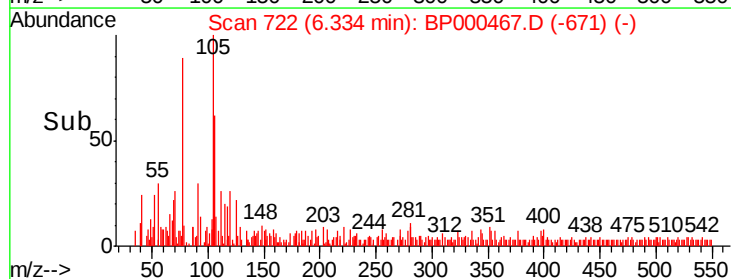
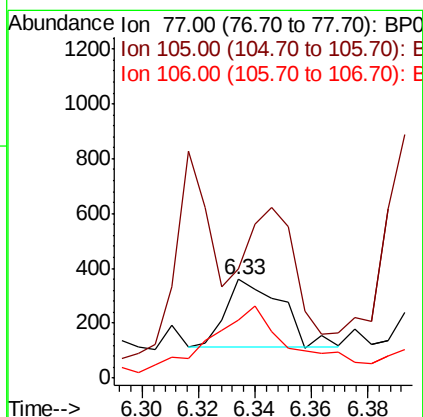
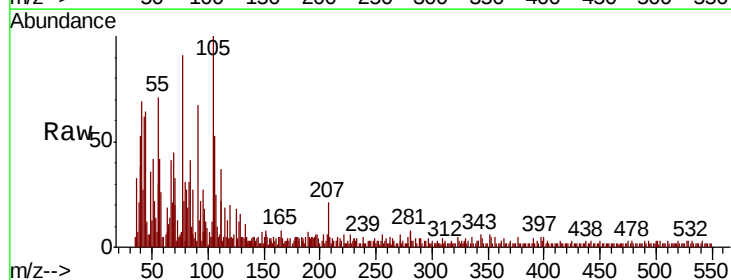
Tgt Ion: 77 Resp: 341

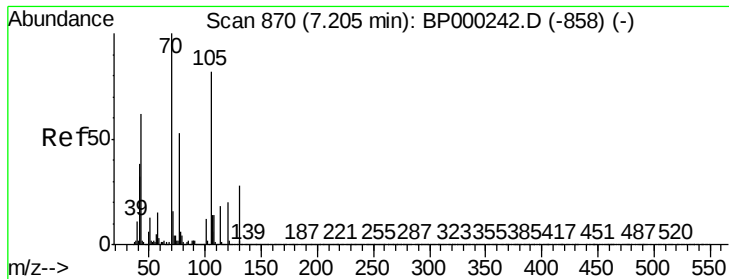
Ion Ratio Lower Upper

77 100

105 110.3 89.6 129.6

106 58.9 84.6 124.6#

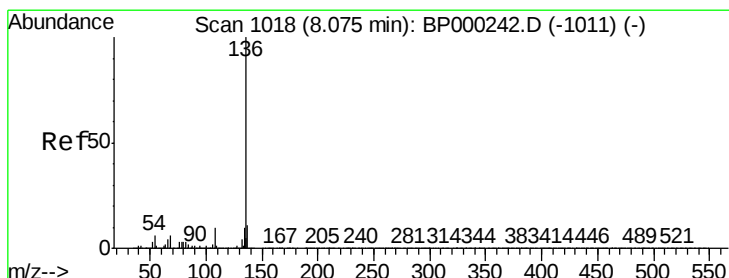
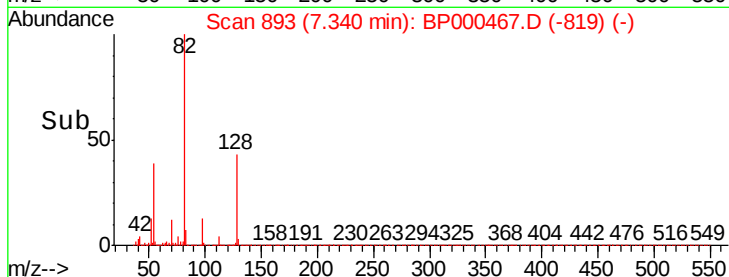
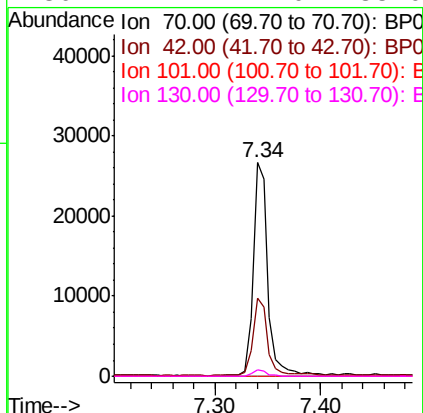
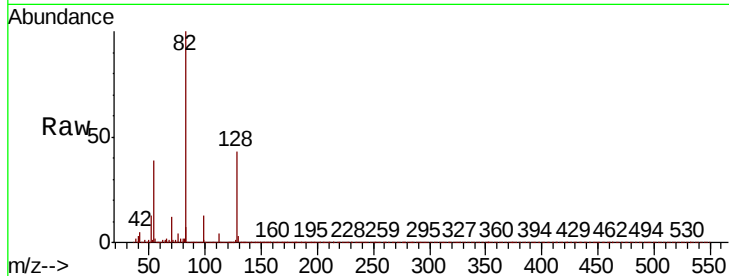




#19
n-Nitroso-di-n-propylamine
Concen: 2.895 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.14 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

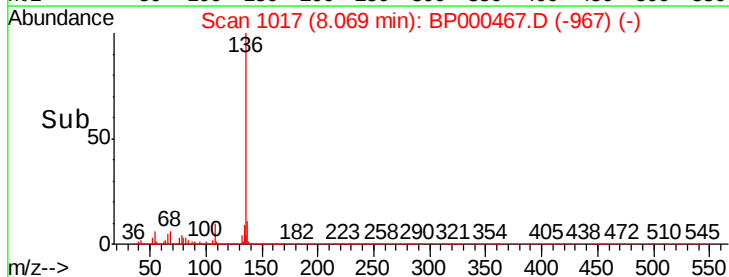
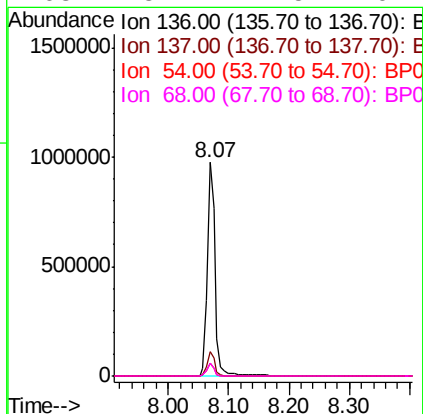
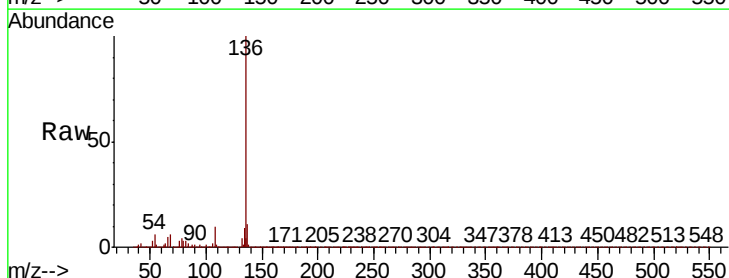
Instrument :
BNA_P
ClientSampleId :

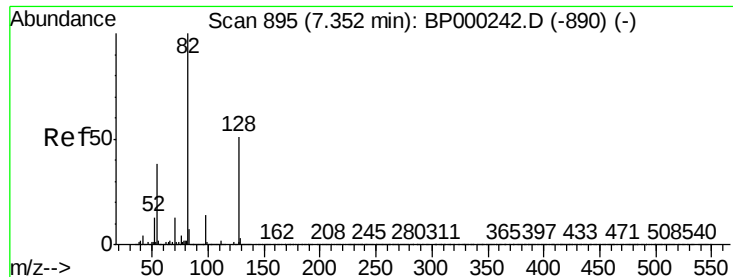
Tot Ion:	70	Resp:	25881
Ion	Ratio	Lower	Upper
70	100		
42	36.8	30.7	46.1
101	0.1	9.6	14.4#
130	2.7	22.0	33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion:	136	Resp:	873162
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	5.9	4.5	6.7
68	5.7	4.5	6.7

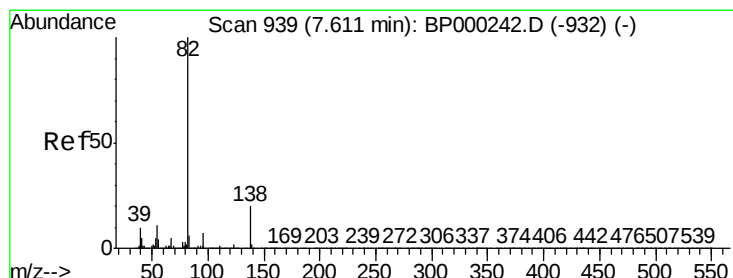
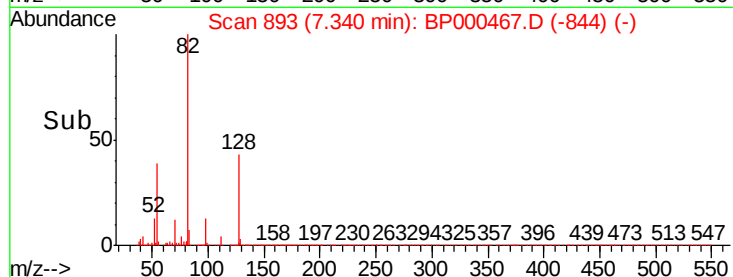
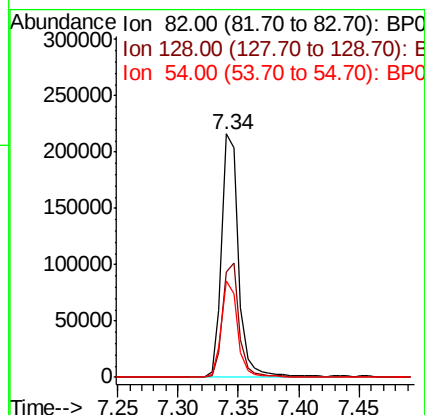
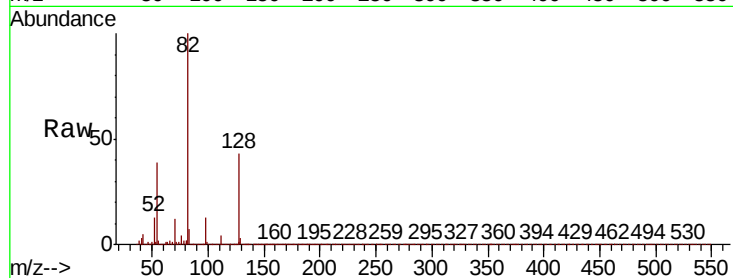




#23
 Nitrobenzene-d5
 Concen: 15.484 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

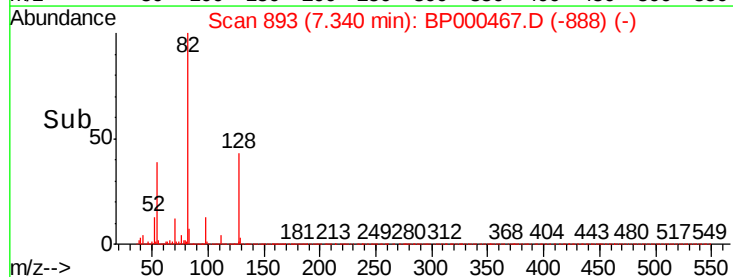
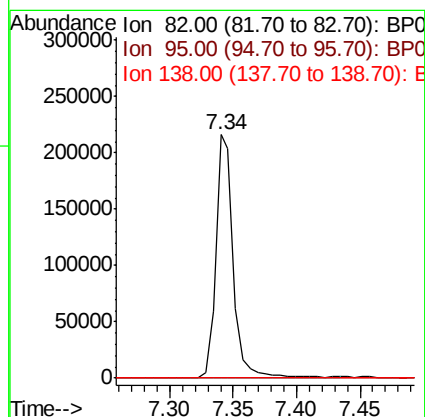
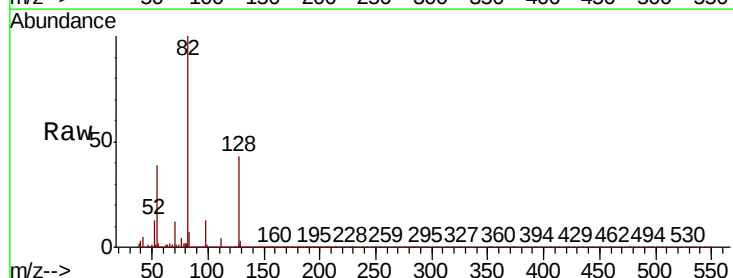
Instrument :
 BNA_P
 ClientSampleID :

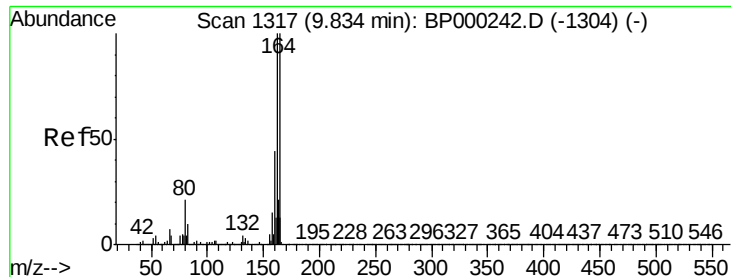
Tot Ion	82	Resp	209546
Ion Ratio	Lower	Upper	
82	100		
128	43.4	40.7	61.1
54	39.4	30.1	45.1



#25
 Isophorone
 Concen: 7.814 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.27 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

Tgt Ion	82	Resp	209395
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.9	8.9#
138	0.0	15.9	23.9#

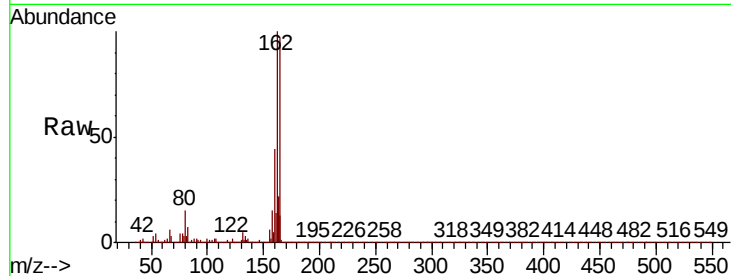




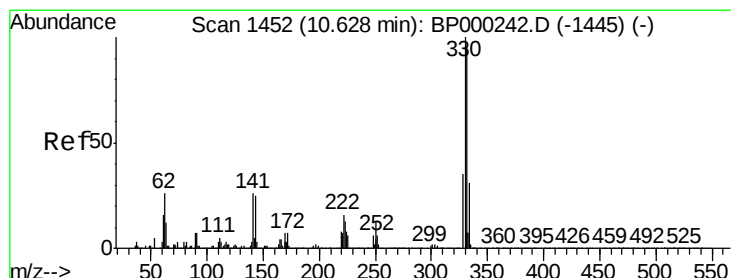
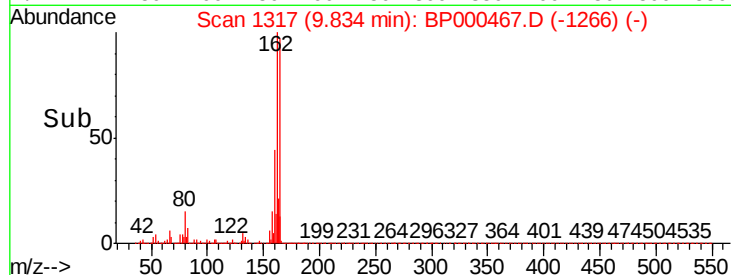
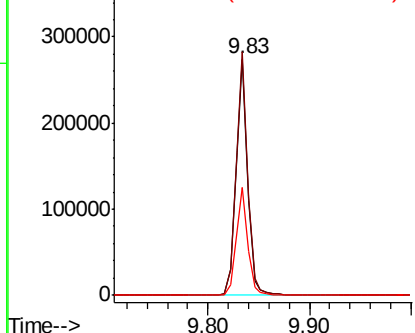
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	79.9	119.9
160	45.6	35.6	53.4

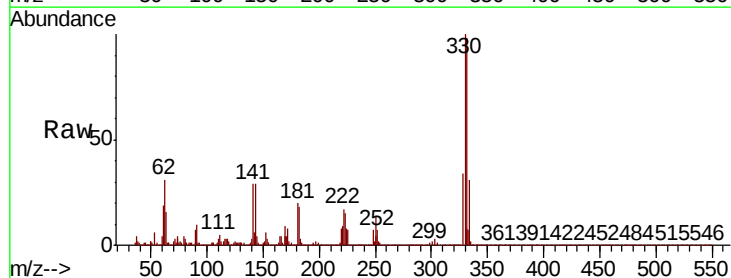


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

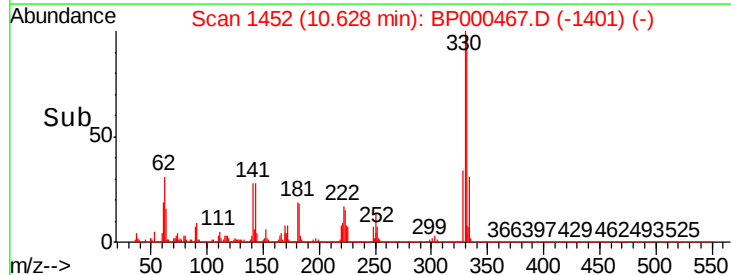
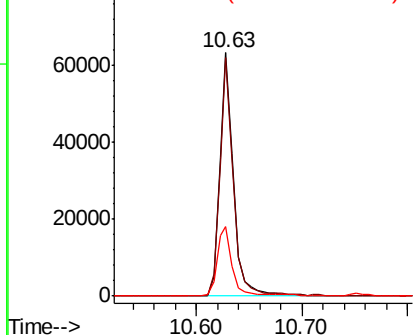


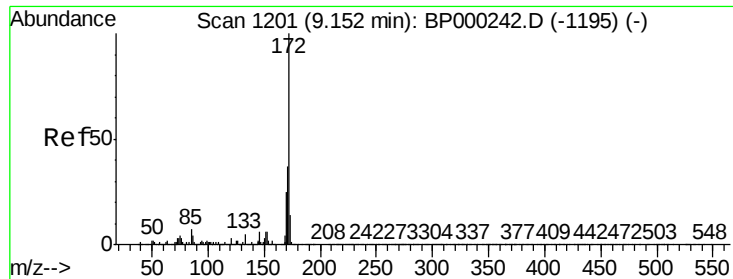
#42
 2,4,6-Tribromophenol
 Concen: 27.079 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	30.7	26.5	39.7



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

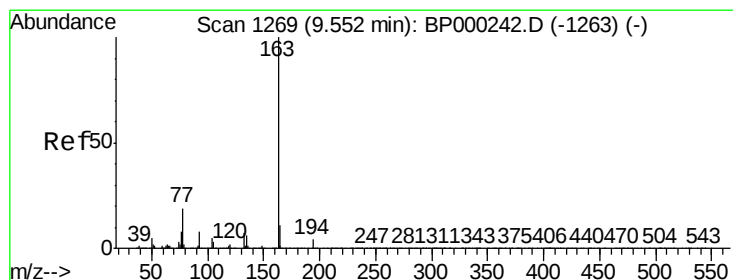
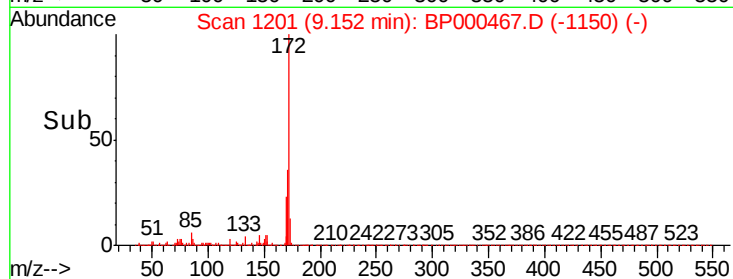
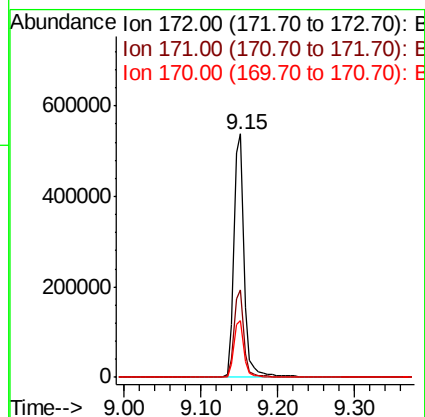
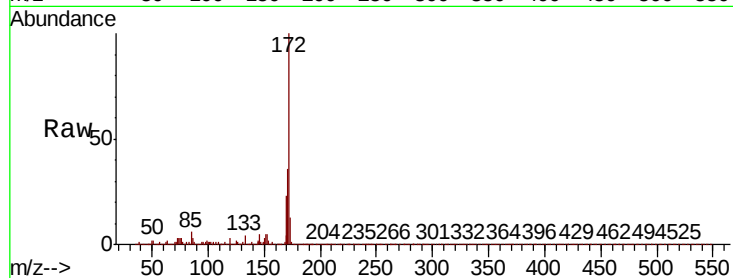




#45
2-Fluorobiphenyl
Concen: 41.822 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

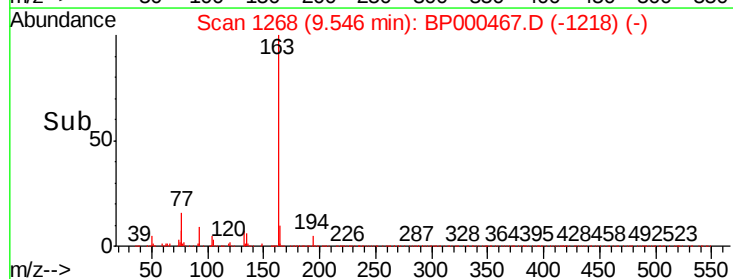
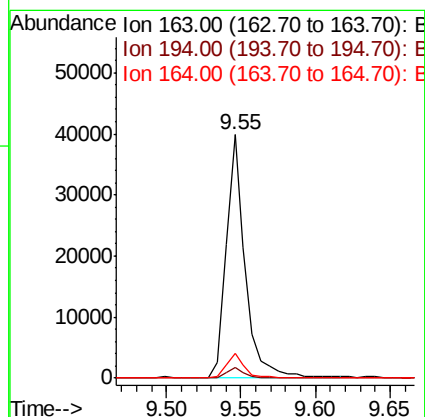
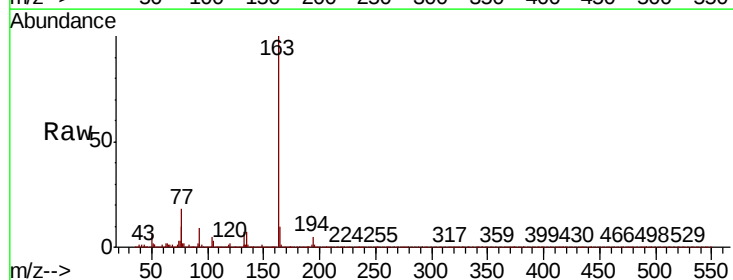
Instrument :
BNA_P
ClientSampleId :

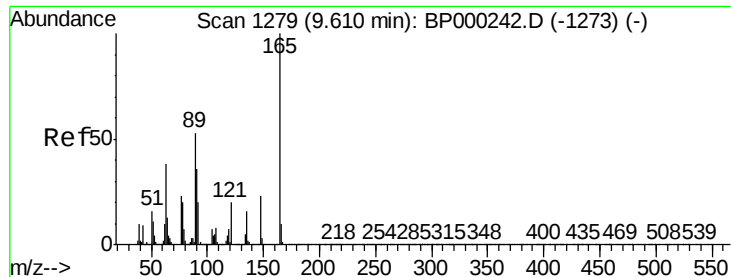
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.8	44.6
170	23.2	19.8	29.6



#50
Dimethylphthalate
Concen: 2.398 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.3	8.5	12.7





#51

2,6-Dinitrotoluene

Concen: 8.893 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.22 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

ClientSampleId :

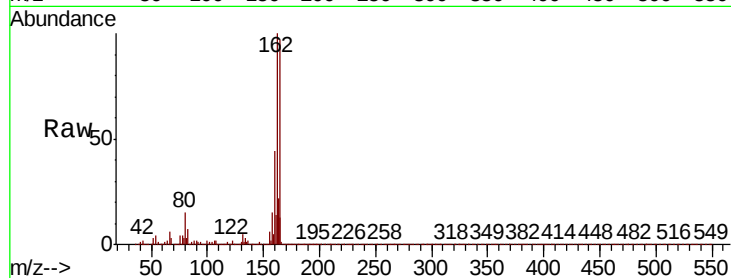
Tot Ion:165 Resp: 28952

Ion Ratio Lower Upper

165 100

63 1.0 35.8 53.8#

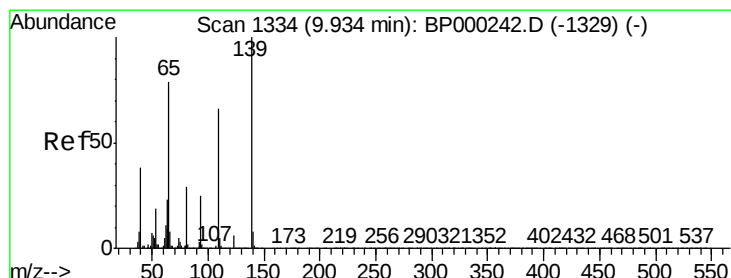
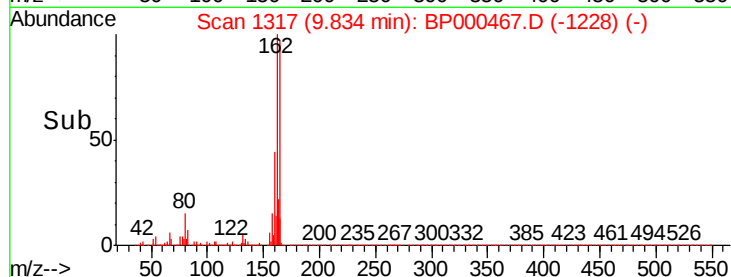
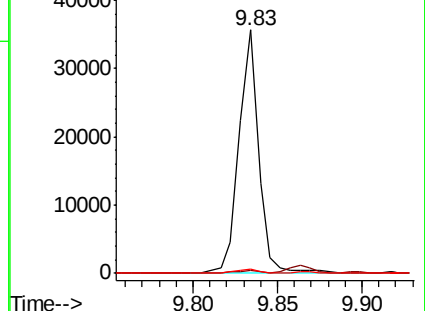
89 1.6 42.6 63.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0



#56

4-Nitrophenol

Concen: 3.352 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.11 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

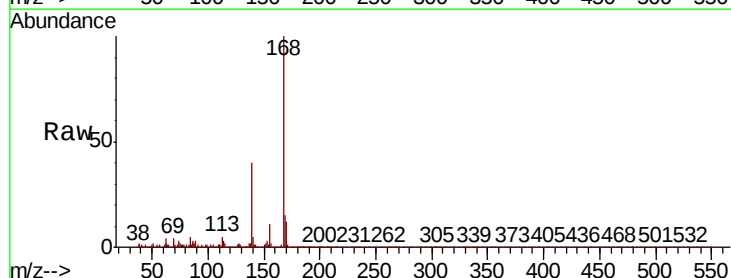
Tgt Ion:139 Resp: 9421

Ion Ratio Lower Upper

139 100

109 1.8 46.2 86.2#

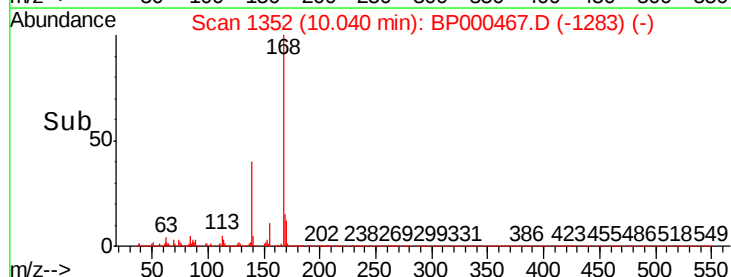
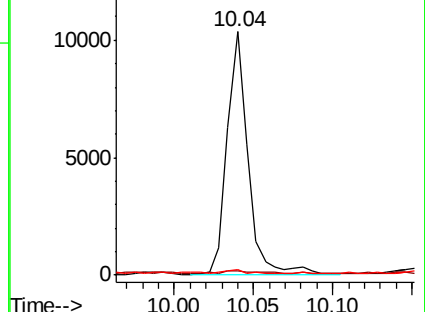
65 2.5 59.4 99.4#

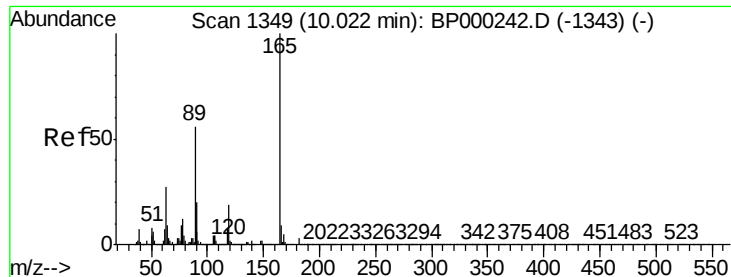


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BP0

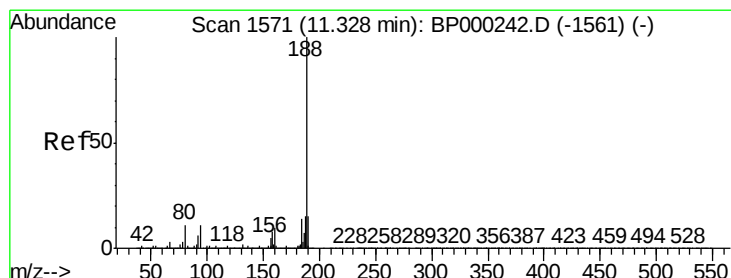
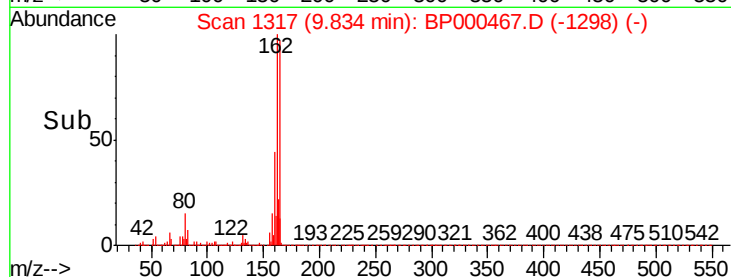
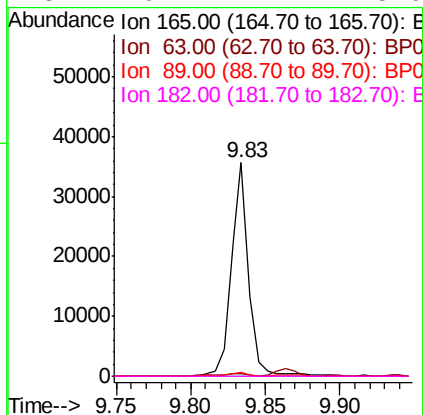
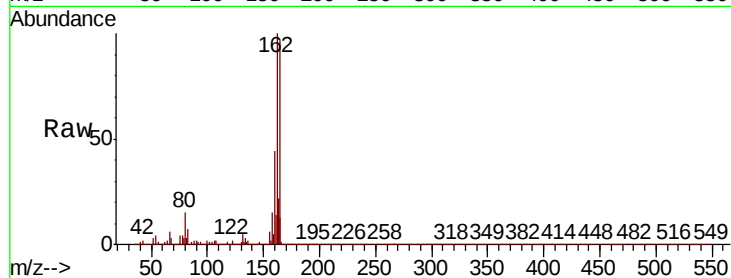




#57
 2,4-Dinitrotoluene
 Concen: 6.813 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

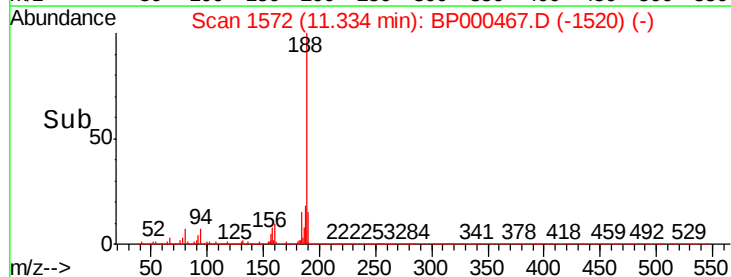
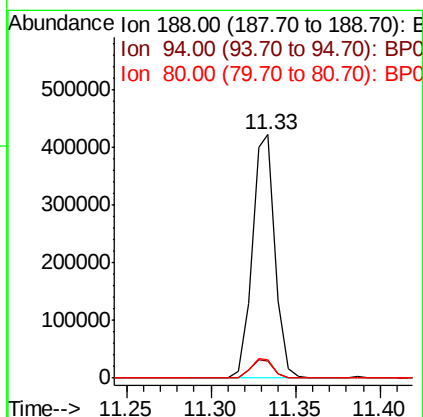
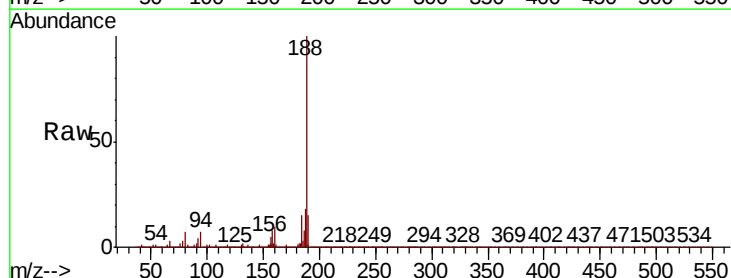
Instrument :
 BNA_P
 ClientSampleID :

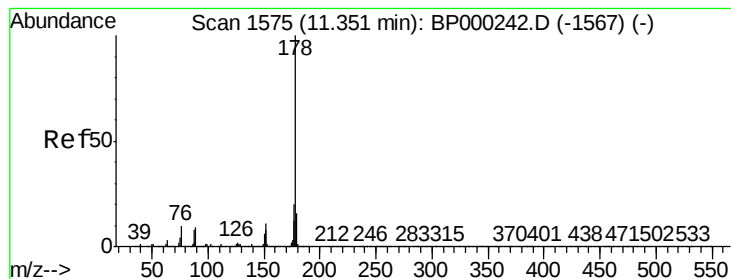
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	21.7	32.5#
89	1.6	45.0	67.6#
182	0.2	2.4	3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	8.5	12.7#
80	7.5	8.6	13.0#





#71

Phenanthrene

Concen: 27.878 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

ClientSampleId :

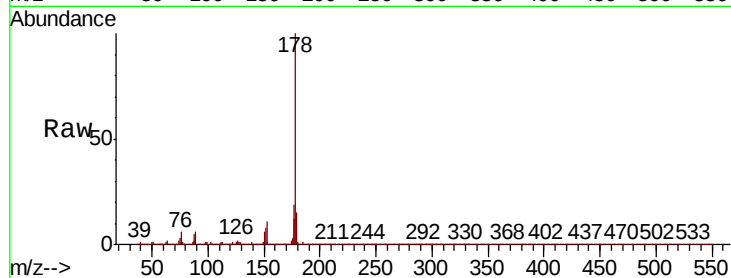
Tot Ion:178 Resp: 553972

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

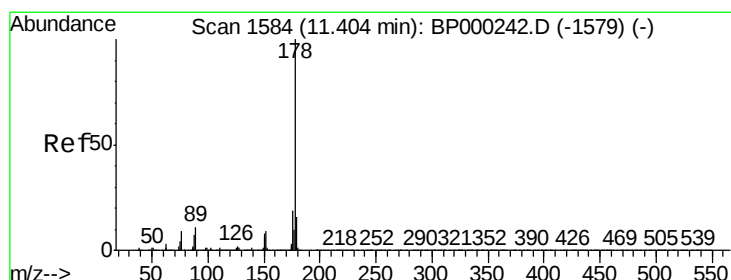
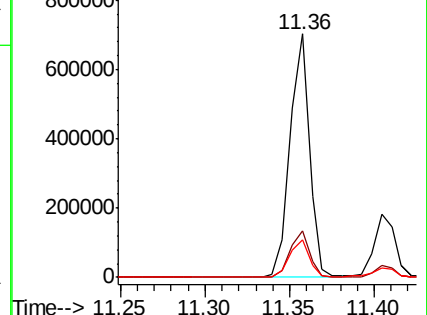
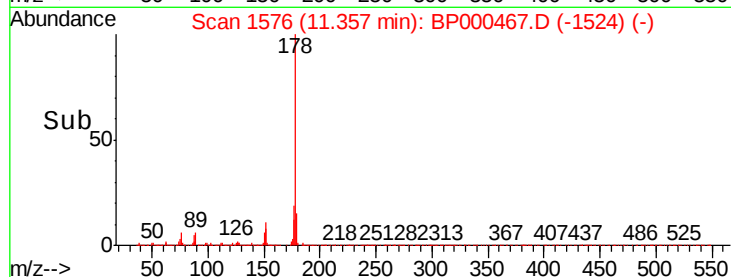
179 15.2 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 7.546 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

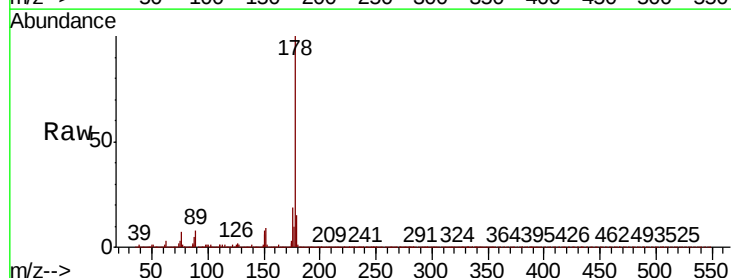
Tgt Ion:178 Resp: 154350

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

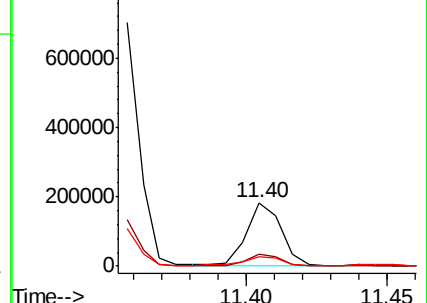
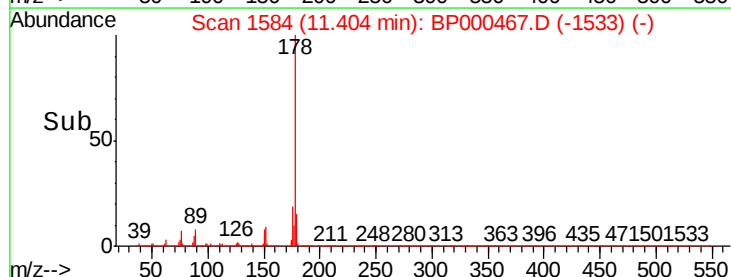
179 15.1 12.7 19.1

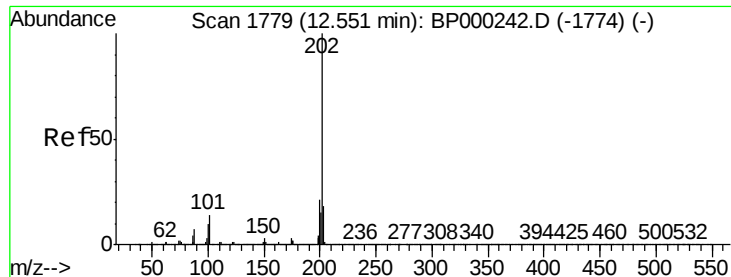


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 39.139 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BP000467.D

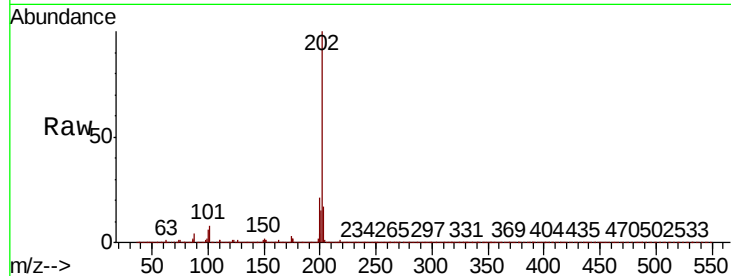
Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

ClientSampleId :

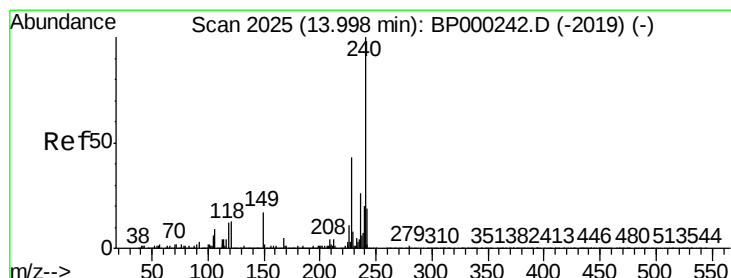
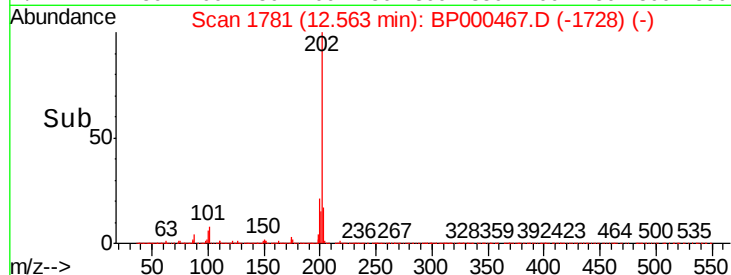
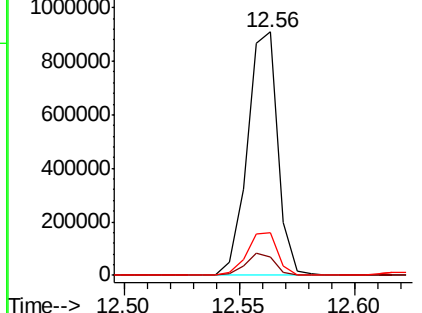
Tot Ion:	202	Resp:	835131
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	33.9
203	17.5	0.0	38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

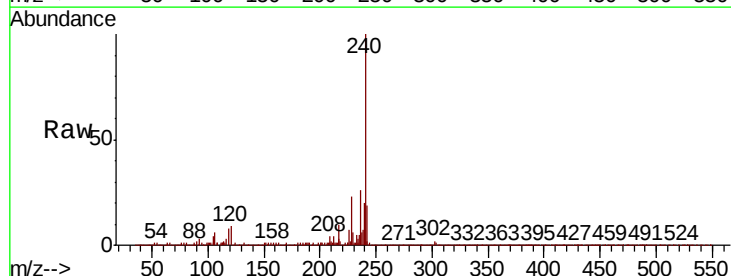
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

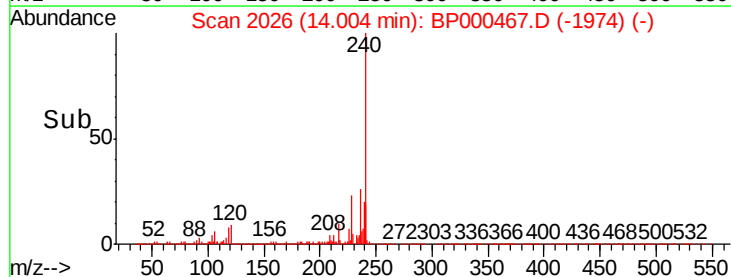
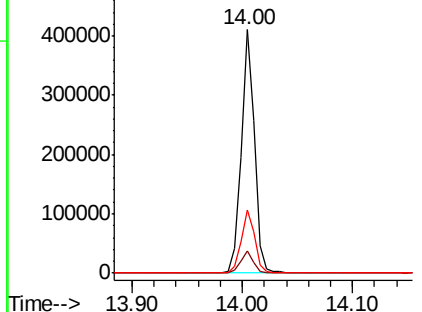
Tgt Ion:	240	Resp:	341651
Ion Ratio	Lower	Upper	
240	100		
120	8.9	10.4	15.6#
236	25.8	21.0	31.6

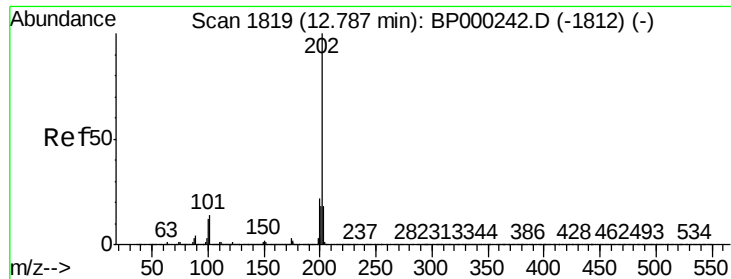


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

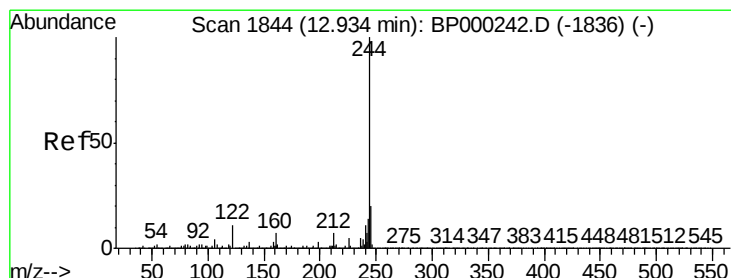
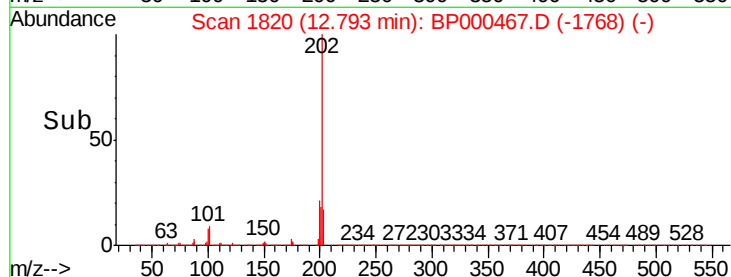
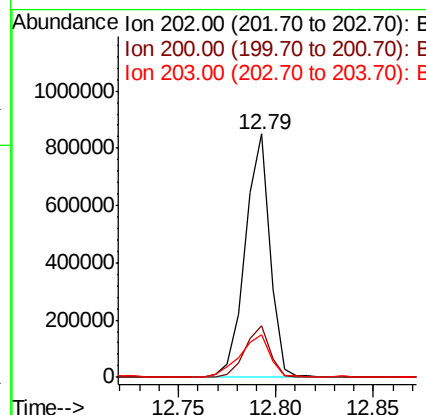
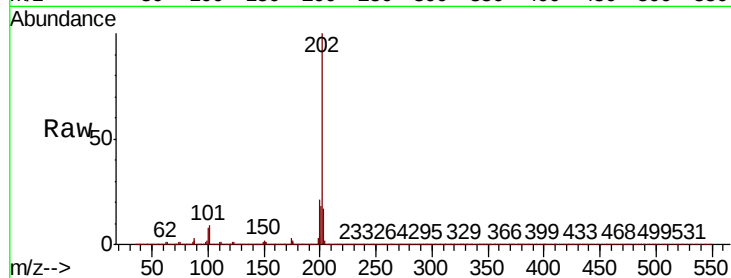




#78
Pvrene
Concen: 29.216 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

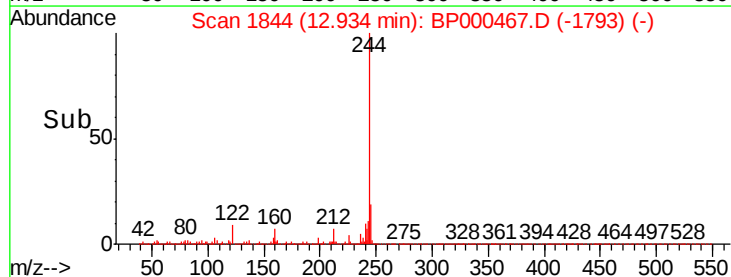
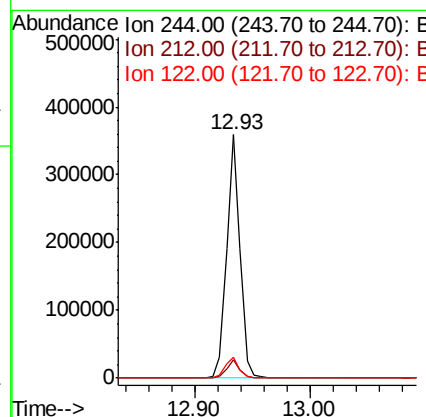
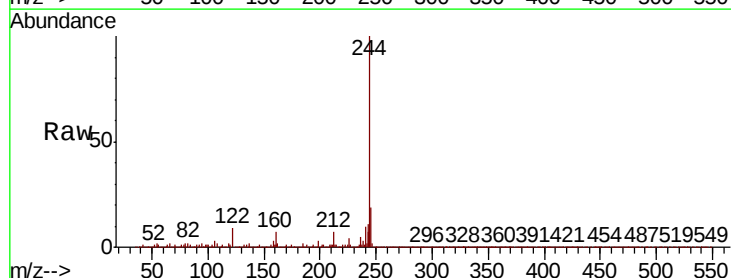
Instrument :
BNA_P
ClientSampled :

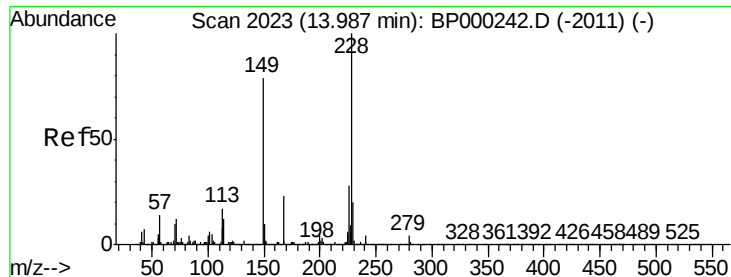
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	17.5	14.3	21.5



#79
Terphenyl-d14
Concen: 17.535 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	8.8	9.0	13.4

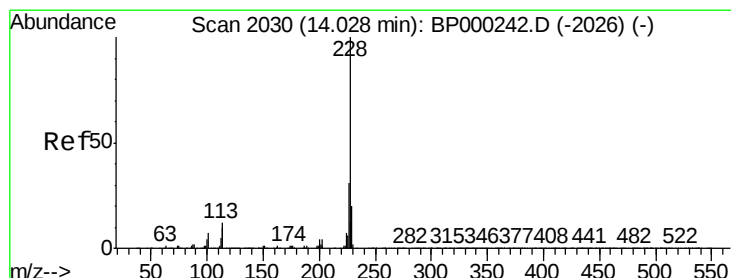
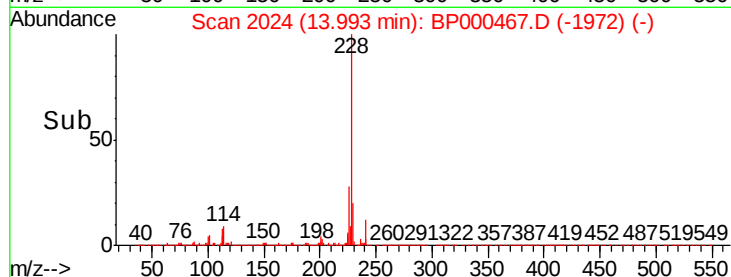
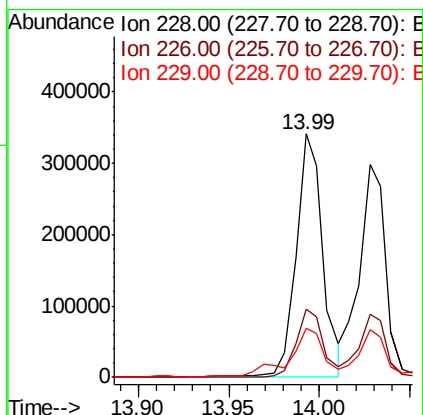
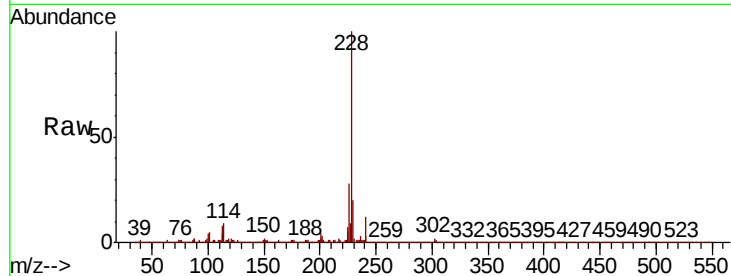




#81
Benzo(a)anthracene
Concen: 16.269 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

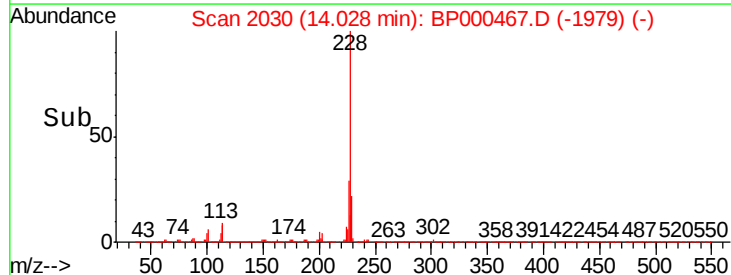
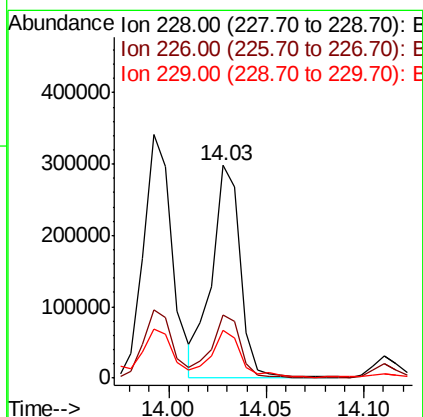
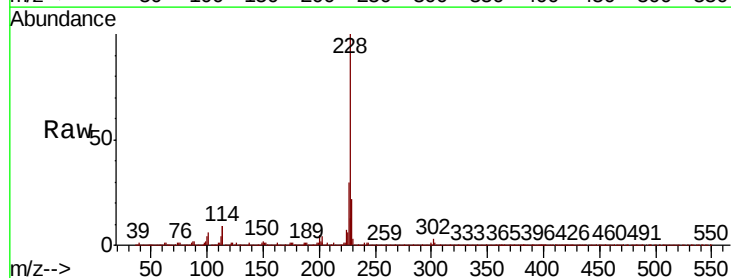
Instrument :
BNA_P
ClientSampleId :

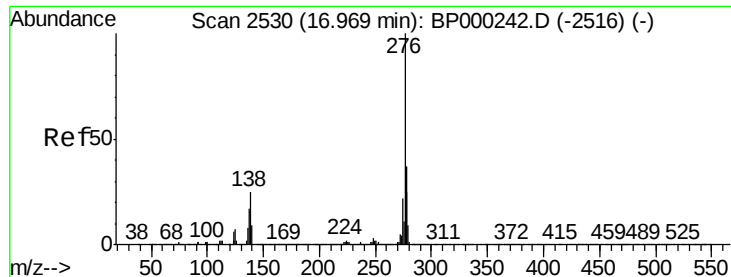
Tot Ion:228 Resp: 351110
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.4
229 20.3 16.0 24.0



#83
Chrysene
Concen: 14.190 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion:228 Resp: 300683
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 22.4 16.2 24.2





#86

Indeno(1,2,3-cd)pyrene

Concen: 8.390 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

ClientSampleId :

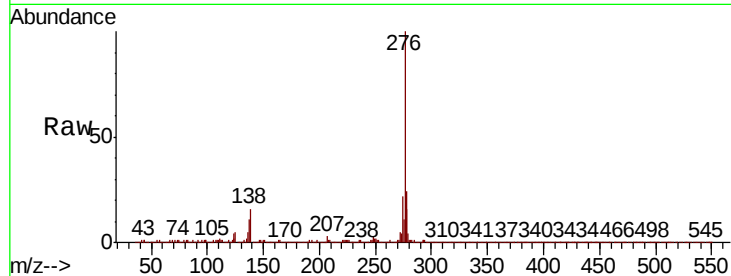
Tot Ion:276 Resp: 216698

Ion Ratio Lower Upper

276 100

138 15.7 22.6 33.8#

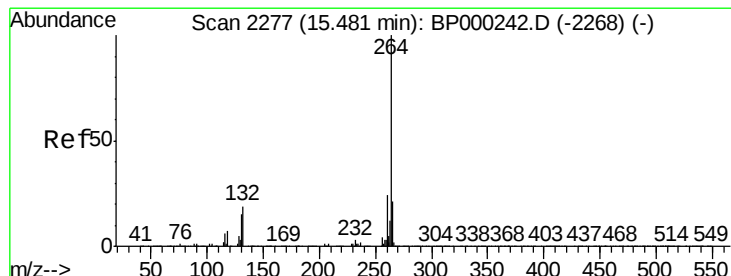
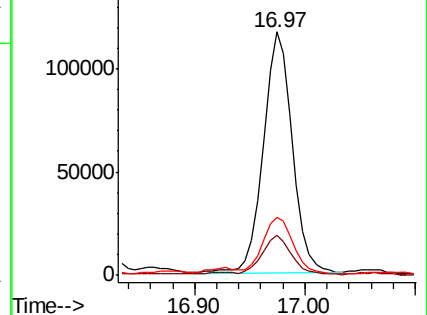
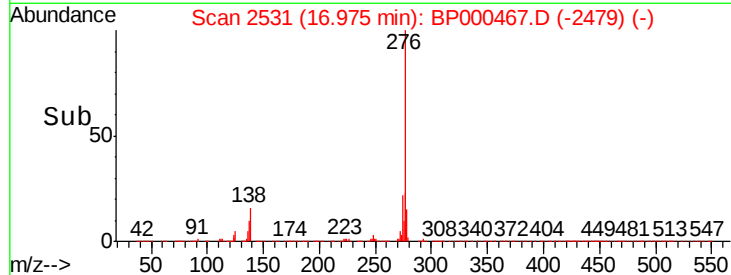
277 24.2 20.4 30.6



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: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

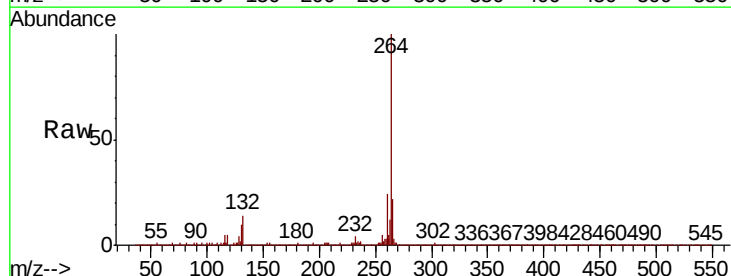
Tgt Ion:264 Resp: 393781

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

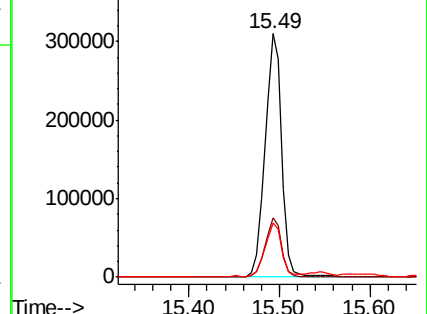
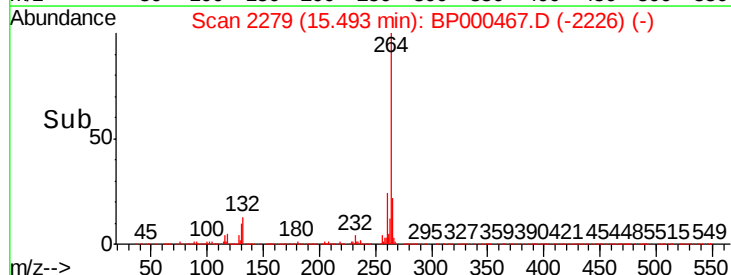
265 22.3 17.2 25.8

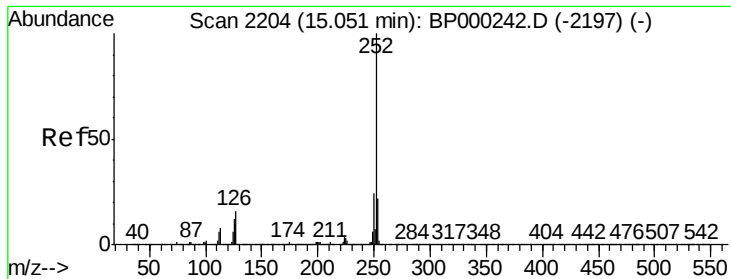


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

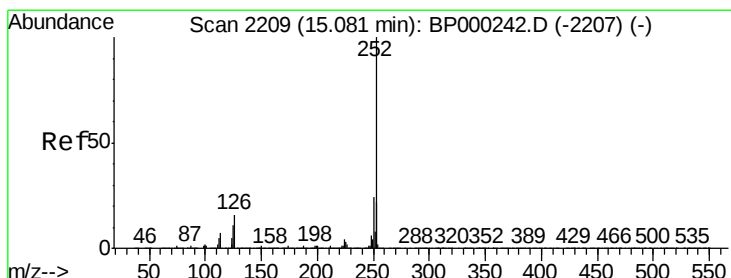
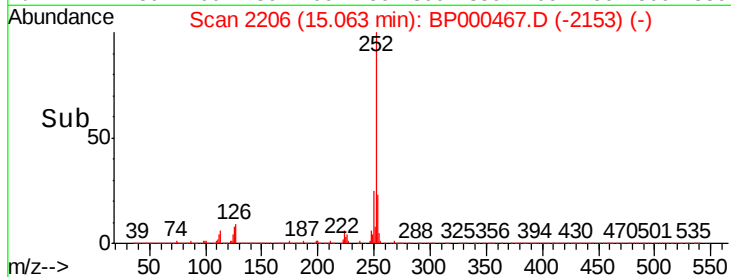
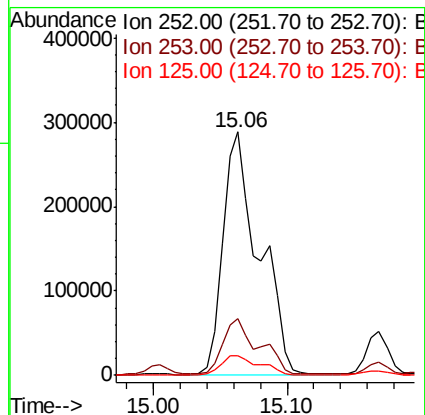
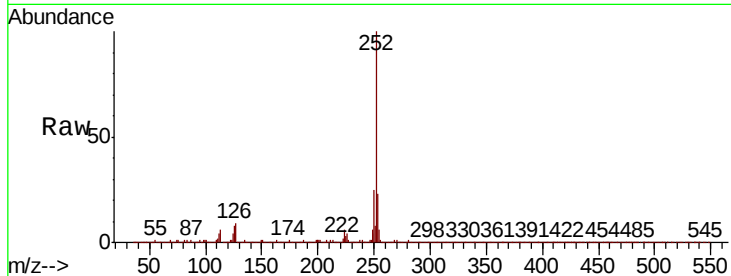




#88
Benzo(b)fluoranthene
Concen: 23.095 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

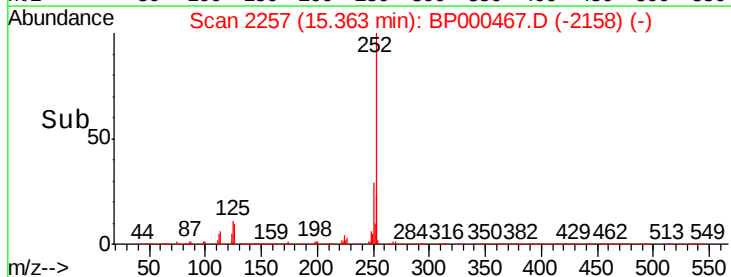
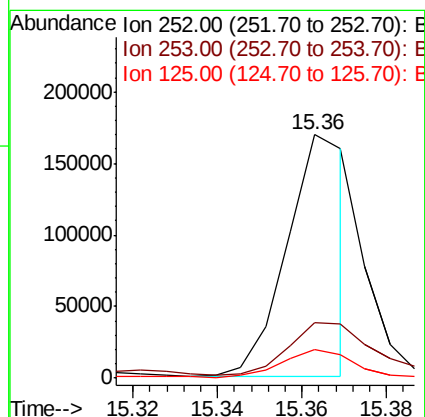
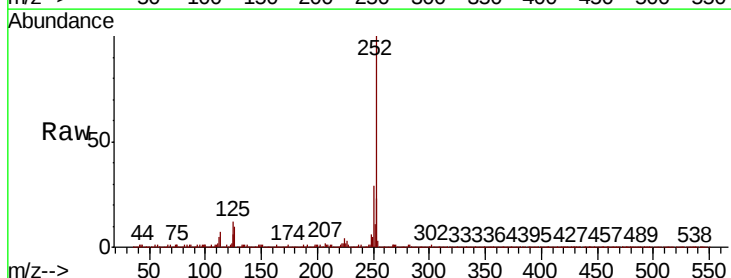
Instrument :
BNA_P
ClientSampleId :

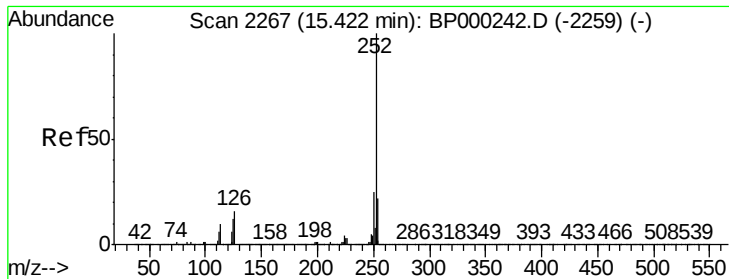
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	8.1	9.5	14.3



#89
Benzo(k)fluoranthene
Concen: 8.087 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.28 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	11.8	9.6	14.4

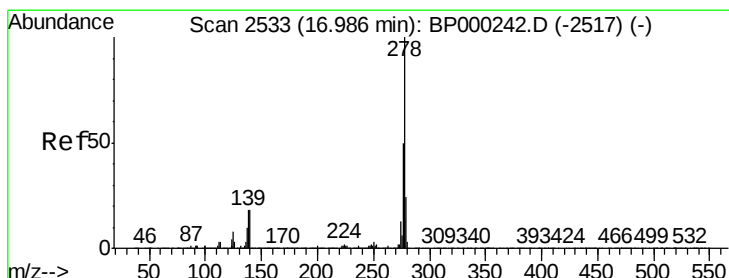
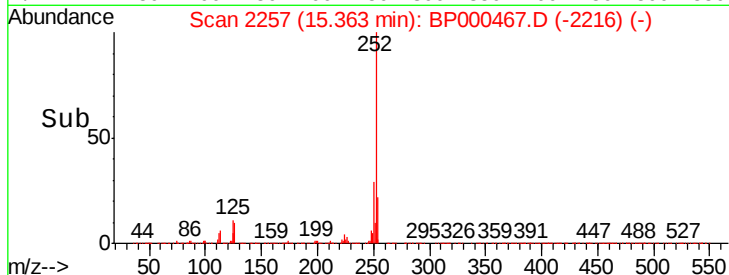
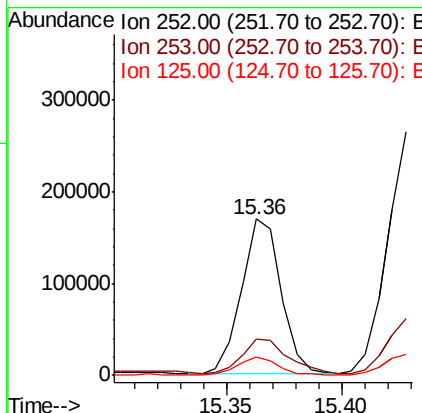
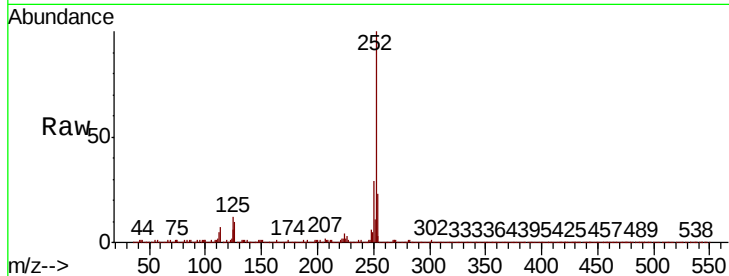




#90
Benzo(a)pyrene
Concen: 9.522 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.06 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

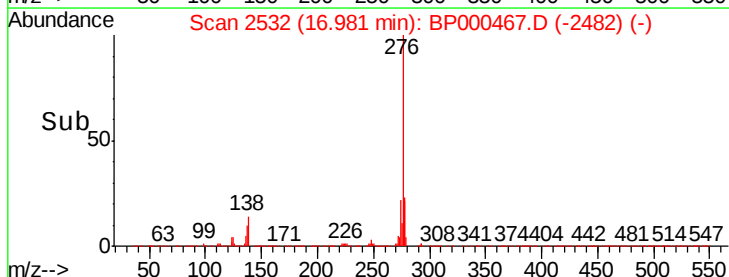
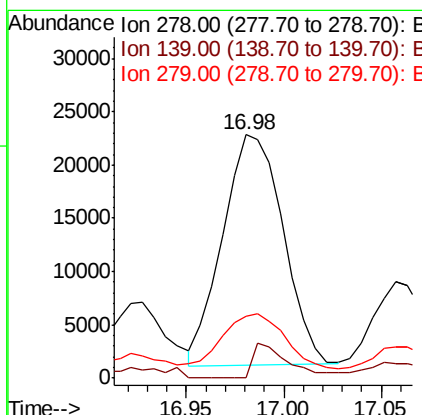
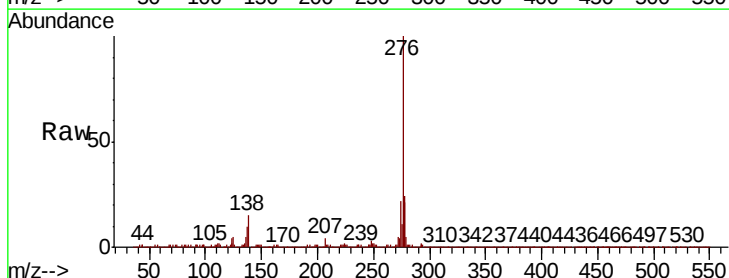
Instrument :
BNA_P
ClientSampleId :

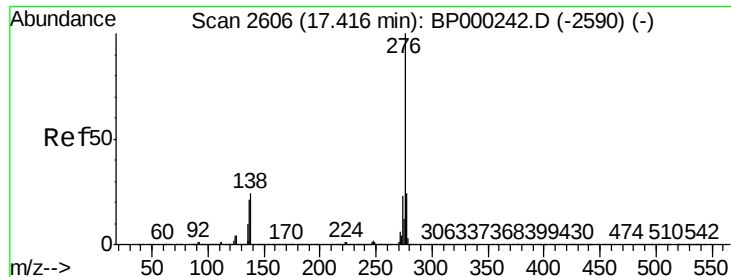
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	11.8	10.0	15.0



#91
Dibenzo(a,h)anthracene
Concen: 2.320 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.5	21.7#
279	25.6	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 10.343 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

ClientSampleId :

Tot Ion: 276 Resp: 211875

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 15.7 19.5 29.3#

