

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000310.D
 Acq On : 18 Sep 2019 20:27
 Operator : HP/JU
 Sample : K4668-08 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 19 04:21:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	317087	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1150892	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	624108	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1073826	20.00	ng	0.00
76) Chrysene-d12	14.00	240	812088	20.00	ng	0.00
87) Perylene-d12	15.49	264	880041	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	838681	45.66	ng	0.01
7) Phenol-d6	6.43	99	1071251	47.58	ng	0.00
23) Nitrobenzene-d5	7.35	82	556313	31.19	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	326018	52.67	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1340419	38.66	ng	0.00
79) Terphenyl-d14	12.93	244	1375877	35.54	ng	0.00

Target Compounds

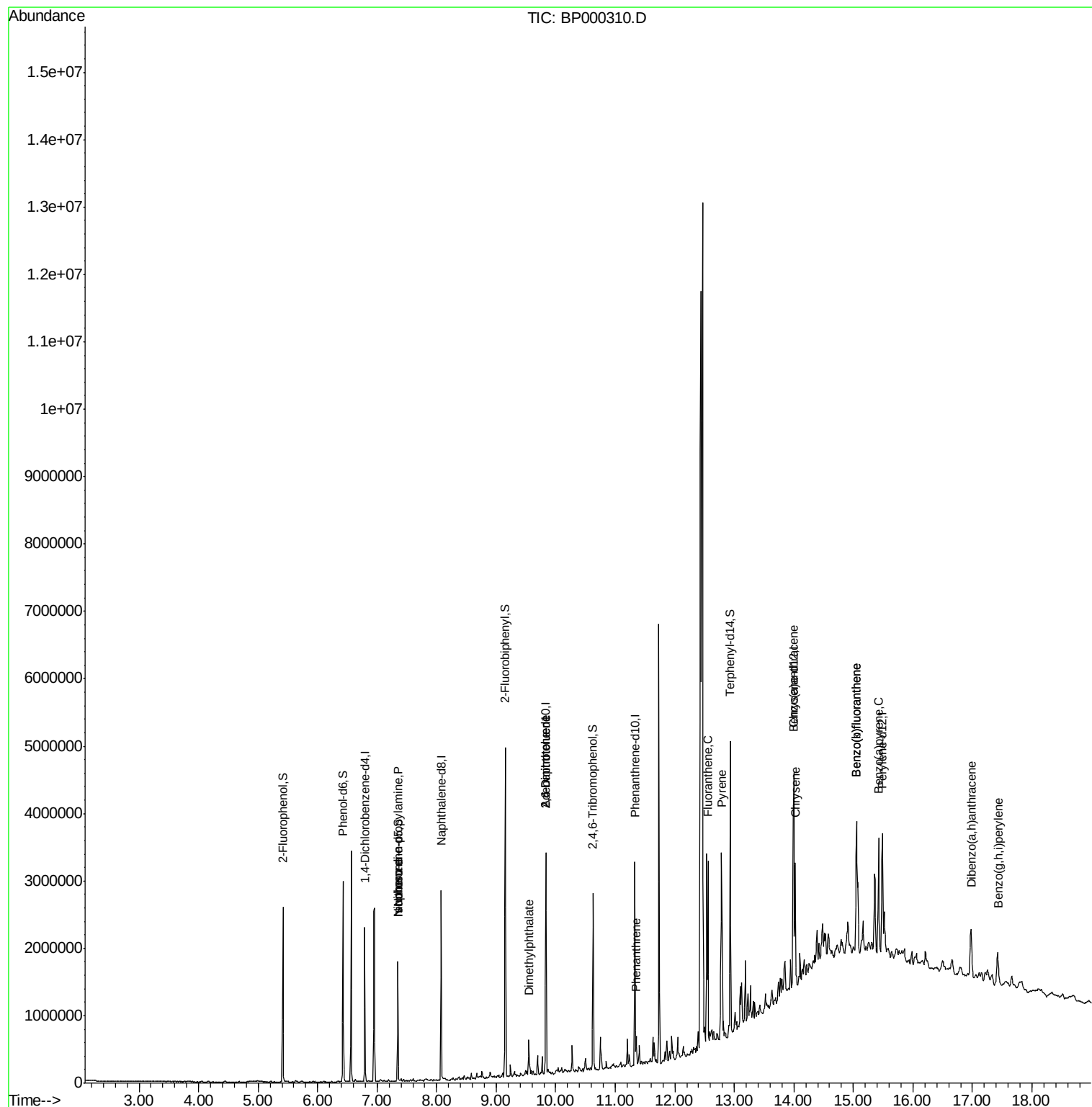
						Qvalue
9) Benzaldehyde	6.34	77	1316	Below Cal	#	85
19) n-Nitroso-di-n-propylamine	7.35	70	68391	5.745 ng	#	75
25) Isophorone	7.35	82	554784	15.707 ng	#	63
50) Dimethylphthalate	9.55	163	172825	4.064 ng		98
51) 2,6-Dinitrotoluene	9.83	165	83197	8.899 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	83103	6.799 ng	#	35
69) Atrazine	11.02	200	804	Below Cal	#	43
71) Phenanthrene	11.35	178	148776	2.765 ng		99
75) Fluoranthene	12.56	202	1004060	17.376 ng		96
78) Pyrene	12.79	202	1098310	18.077 ng		99
81) Benzo(a)anthracene	13.99	228	878160	17.119 ng		95
83) Chrysene	14.02	228	724652	14.388 ng		97
88) Benzo(b)fluoranthene	15.05	252	1574836	29.997 ng		98
89) Benzo(k)fluoranthene	15.05	252	1574836	34.388 ng		98
90) Benzo(a)pyrene	15.42	252	867506	18.160 ng		99
91) Dibenzo(a,h)anthracene	16.99	278	132486	2.975 ng	#	85
92) Benzo(a,h,i)perylene	17.43	276	447007	9.764 ng		97

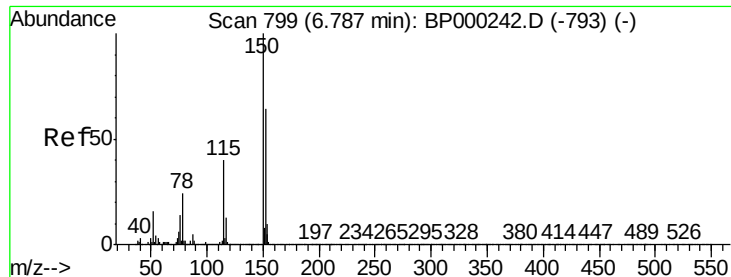
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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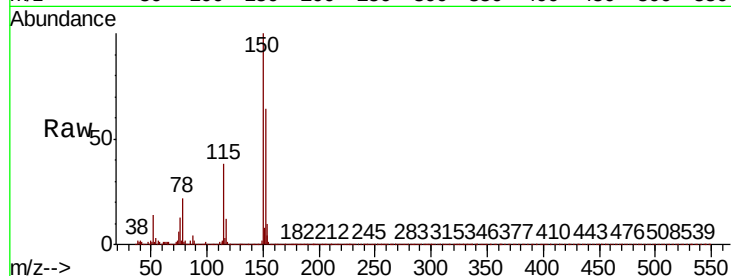


#1

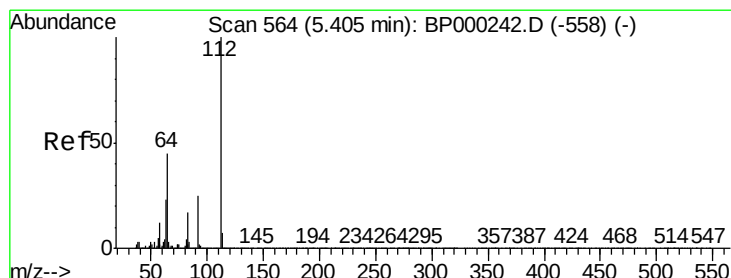
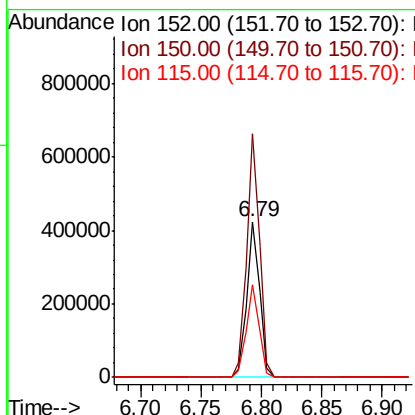
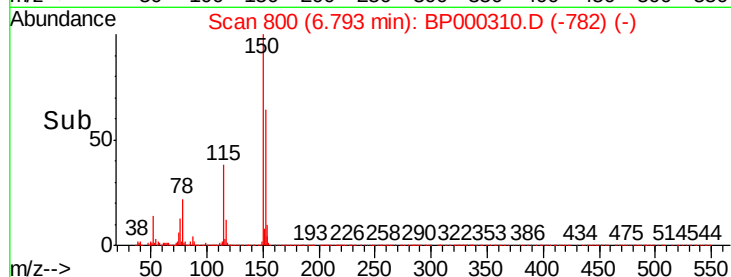
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Instrument :
BNA_P
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.2	187.8
115	59.1	49.7	74.5



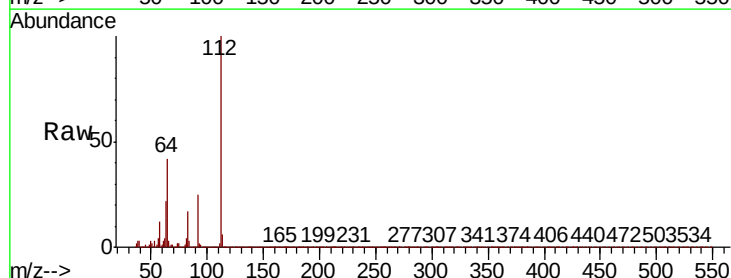
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



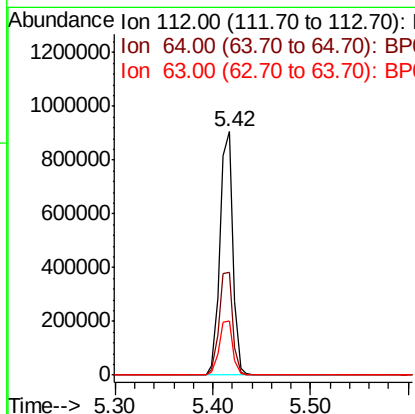
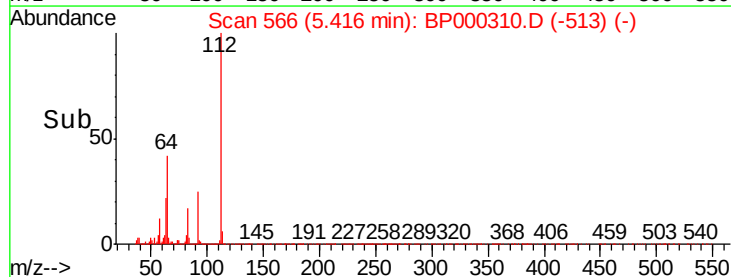
#5

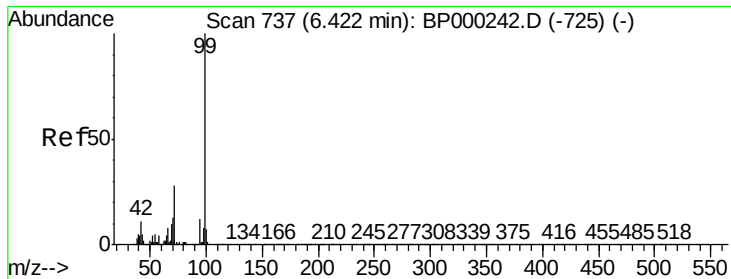
2-Fluorophenol
Concen: 45.661 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.5	36.2	54.4
63	22.1	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: 47.580 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

Instrument :

BNA_P

ClientSampleId :

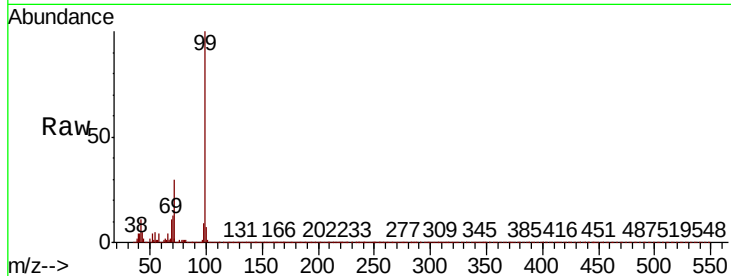
Tot Ion: 99 Resp: 1071251

Ion Ratio Lower Upper

99 100

42 10.7 8.5 12.7

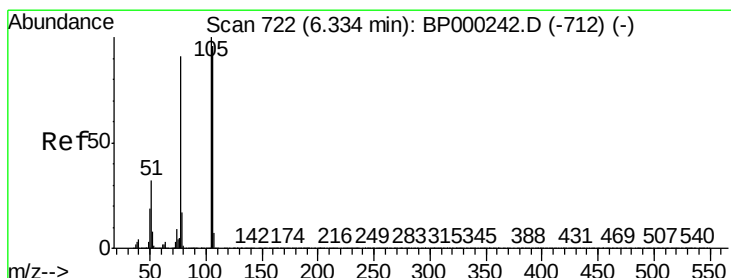
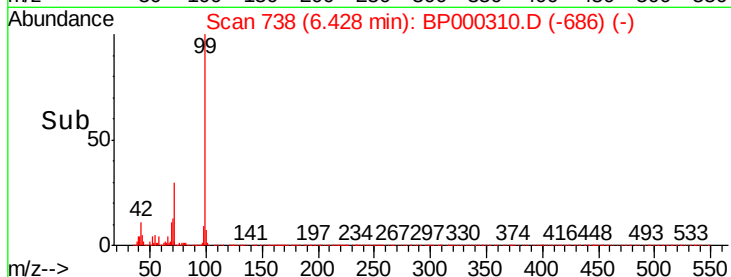
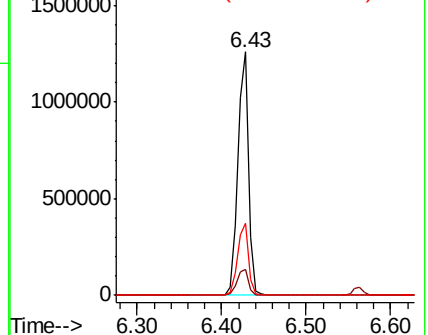
71 29.6 22.6 34.0



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: Below Cal

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

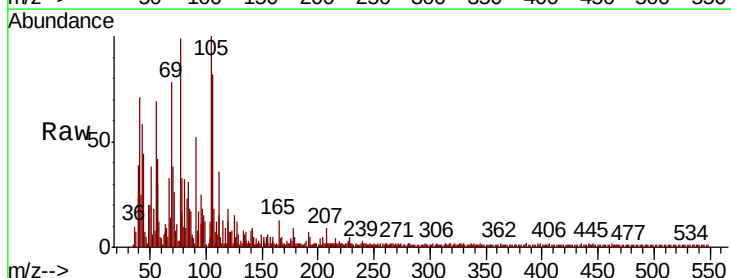
Tgt Ion: 77 Resp: 1316

Ion Ratio Lower Upper

77 100

105 100.8 89.6 129.6

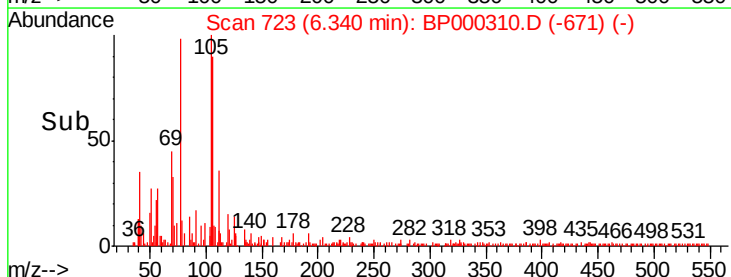
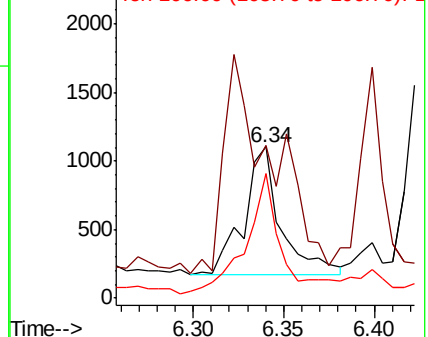
106 82.8 84.6 124.6#

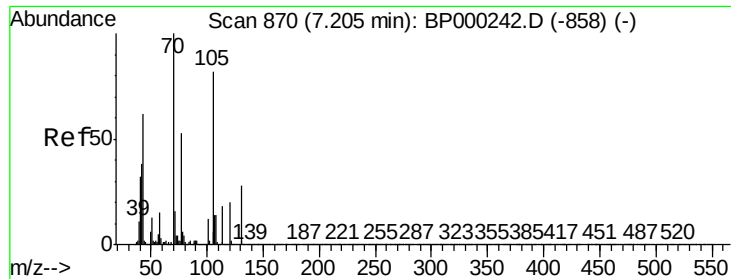


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

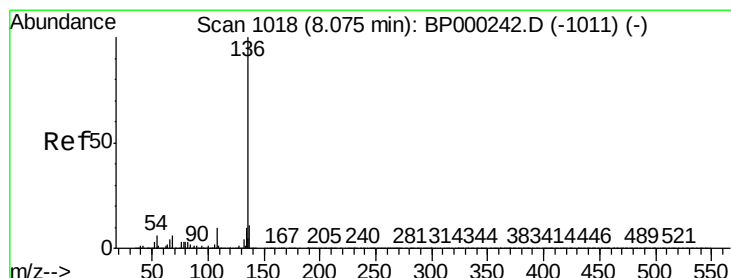
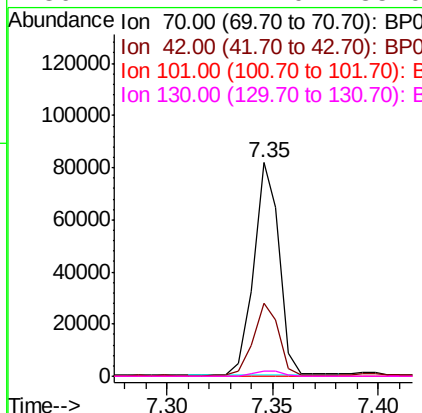
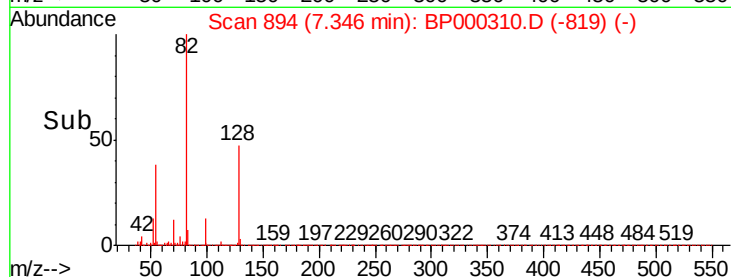
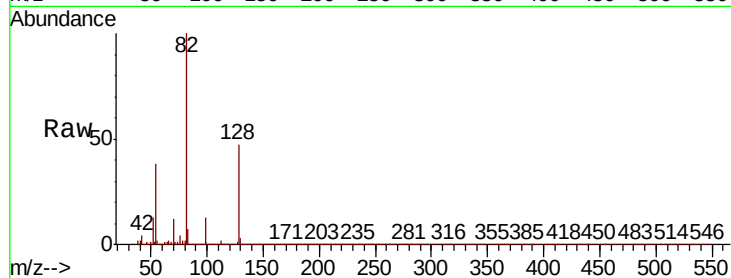




#19
n-Nitroso-di-n-propylamine
Concen: 5.745 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

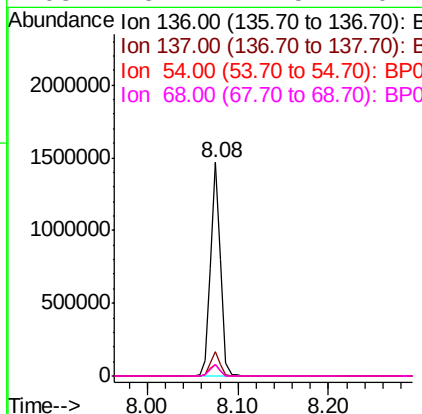
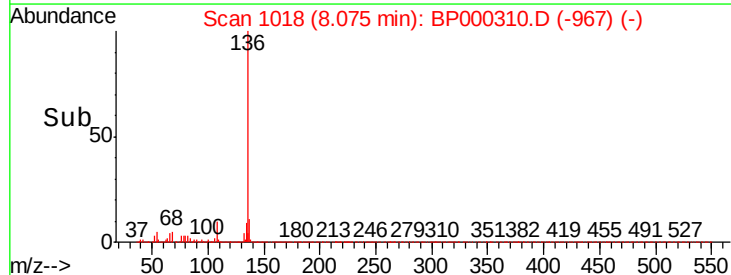
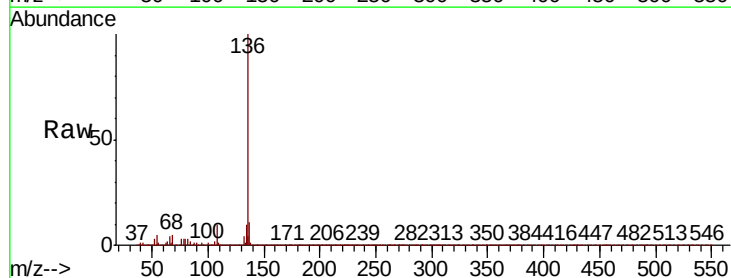
Instrument :
BNA_P
ClientSampleId :

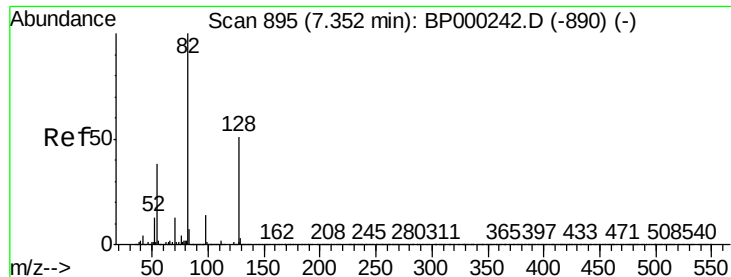
Tot Ion:	70	Resp:	68391
Ion	Ratio	Lower	Upper
70	100		
42	34.2	30.7	46.1
101	0.1	9.6	14.4#
130	2.4	22.0	33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Tgt Ion:	136	Resp:	1150892
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	5.4	4.5	6.7
68	5.4	4.5	6.7

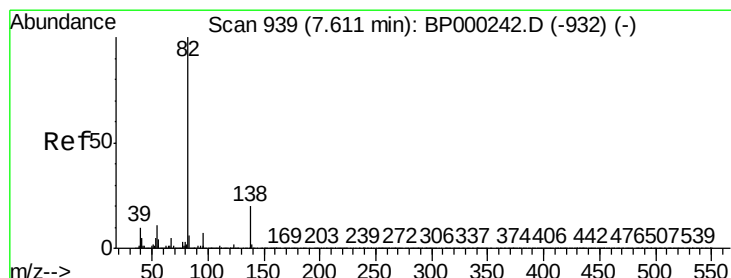
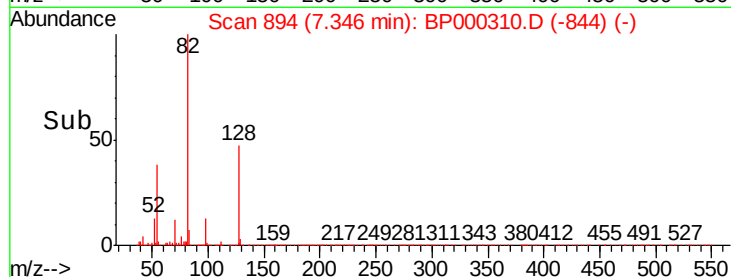
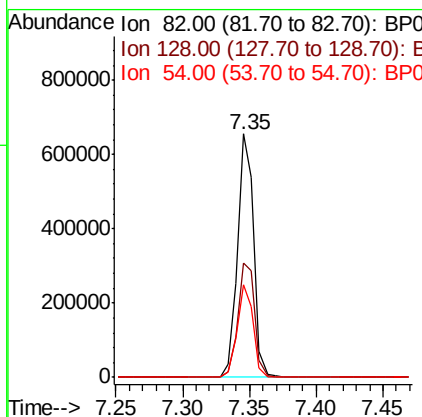
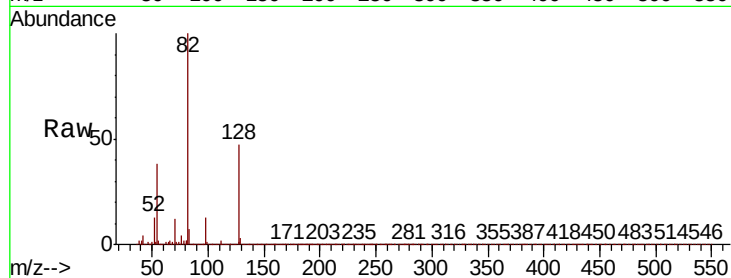




#23
 Nitrobenzene-d5
 Concen: 31.187 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000310.D
 Acq: 18 Sep 2019 20:27

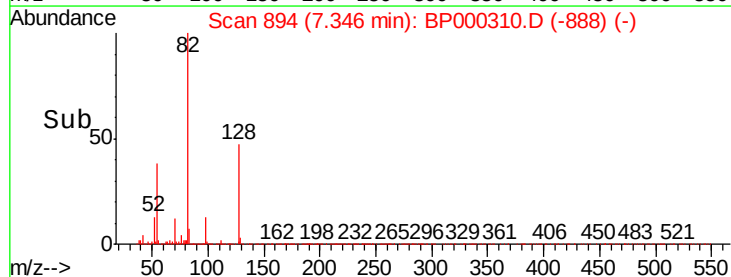
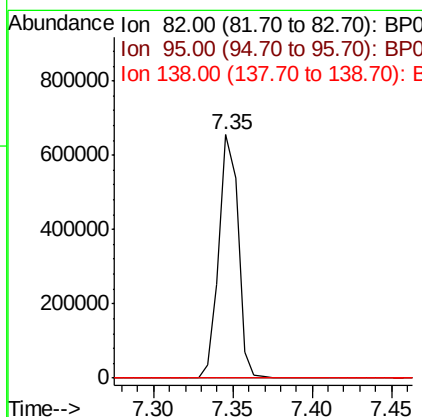
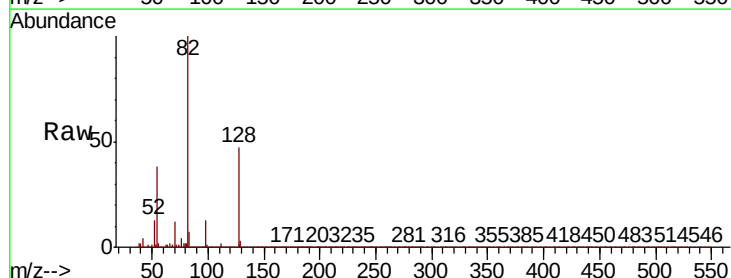
Instrument :
 BNA_P
 ClientSampled :

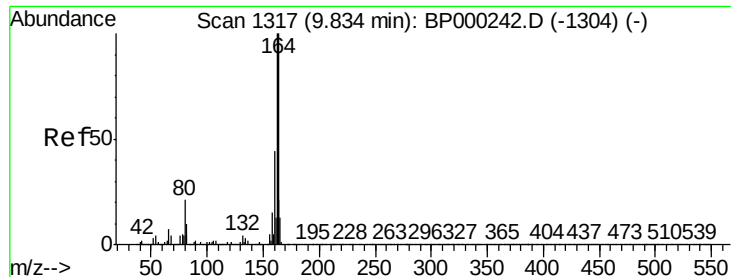
Tot Ion	82	Resp	556313
Ion Ratio	Lower	Upper	
82	100		
128	46.8	40.7	61.1
54	38.0	30.1	45.1



#25
 Isophorone
 Concen: 15.707 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BP000310.D
 Acq: 18 Sep 2019 20:27

Tgt Ion	82	Resp	554784
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.9	8.9#
138	0.0	15.9	23.9#

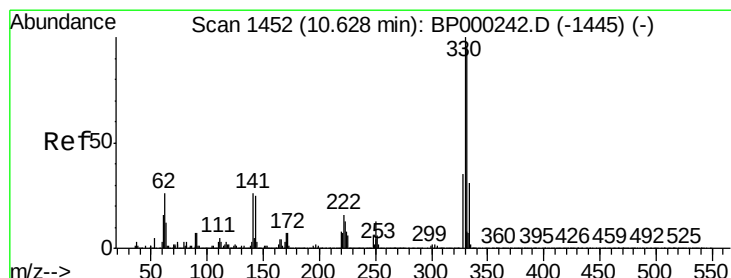
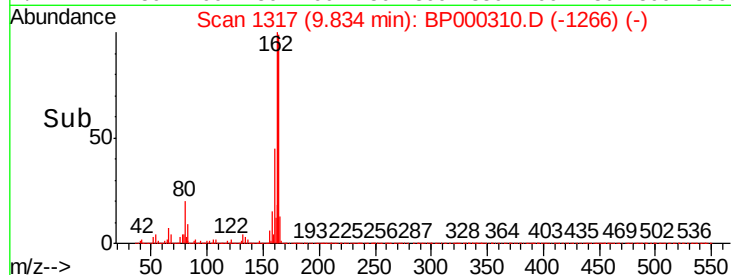
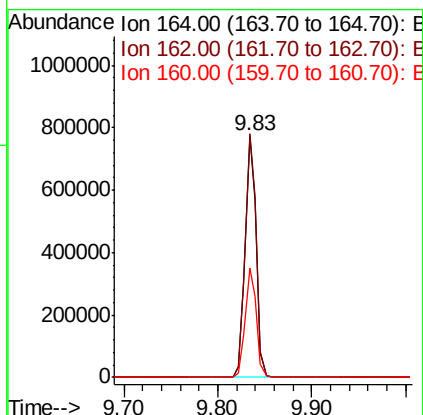
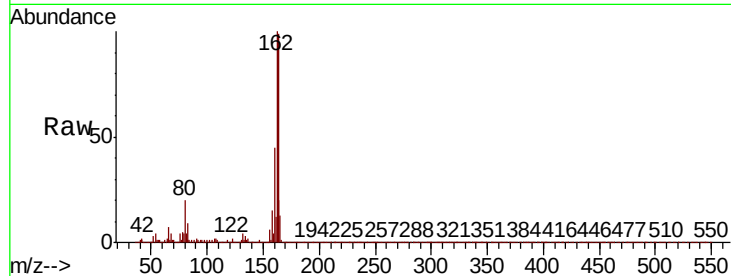




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BP000310.D
 Acq: 18 Sep 2019 20:27

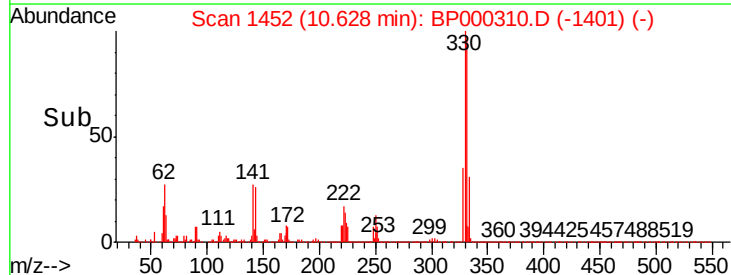
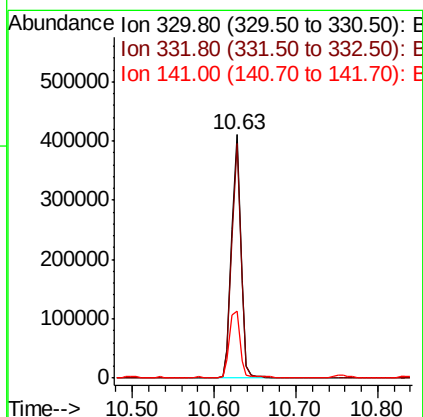
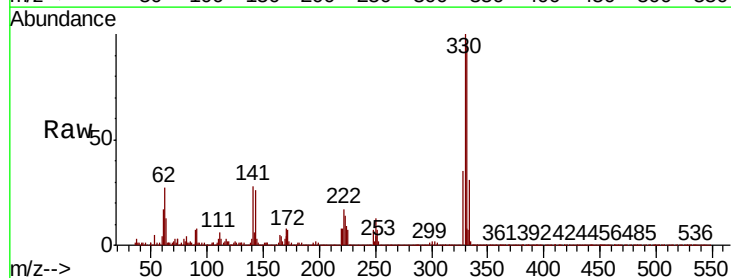
Instrument :
 BNA_P
 ClientSampleId :

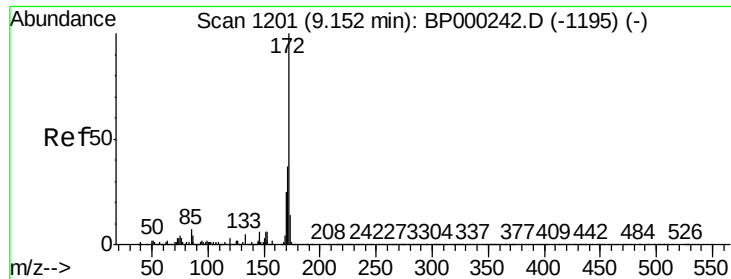
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.9	119.9
160	45.3	35.6	53.4



#42
 2,4,6-Tribromophenol
 Concen: 52.666 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BP000310.D
 Acq: 18 Sep 2019 20:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	30.8	26.5	39.7

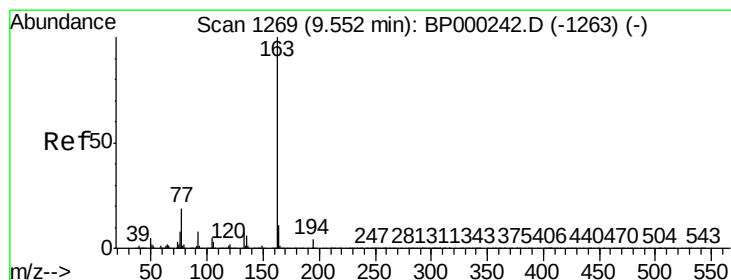
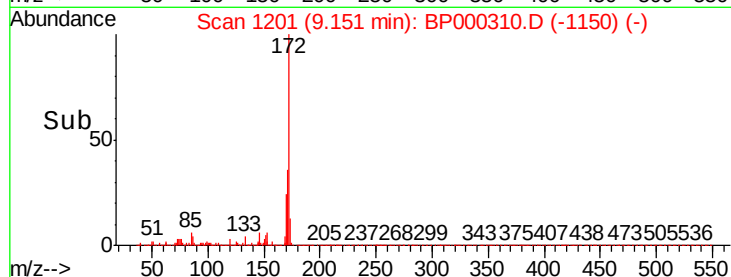
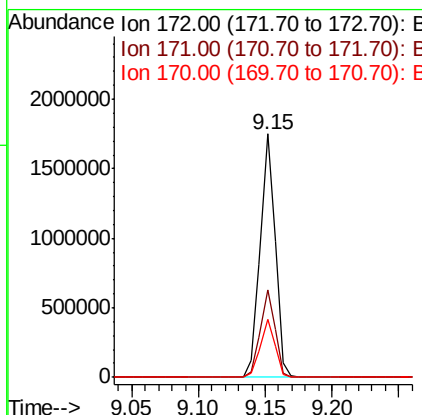
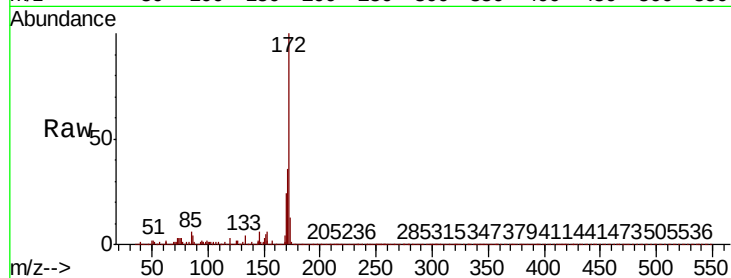




#45
2-Fluorobiphenyl
Concen: 38.655 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

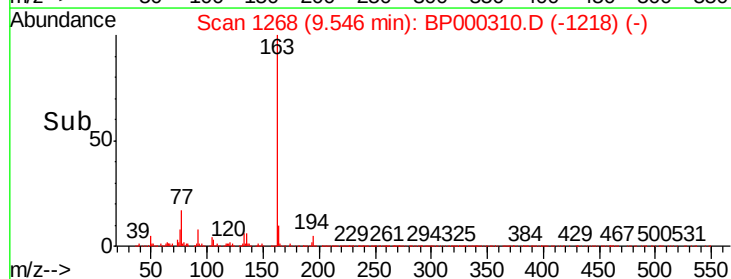
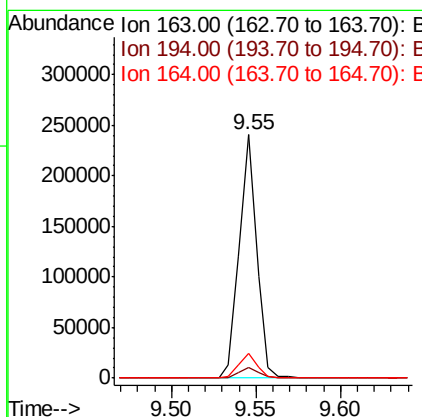
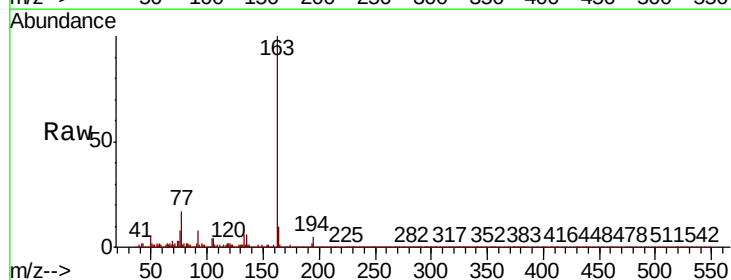
Instrument :
BNA_P
ClientSampled :

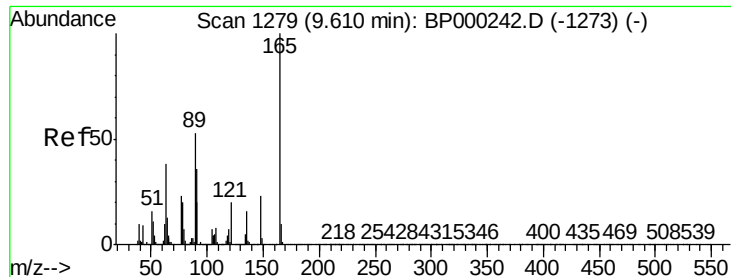
Tot Ion:172 Resp: 1340419
Ion Ratio Lower Upper
172 100
171 35.8 29.8 44.6
170 23.6 19.8 29.6



#50
Dimethylphthalate
Concen: 4.064 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Tgt Ion:163 Resp: 172825
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.0
164 10.0 8.5 12.7

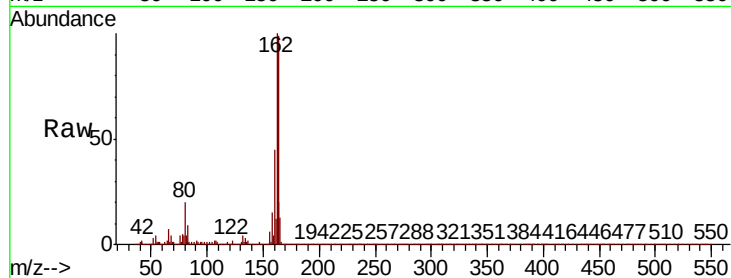




#51
2,6-Dinitrotoluene
Concen: 8.899 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.22 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Instrument :
BNA_P
ClientSampleId :

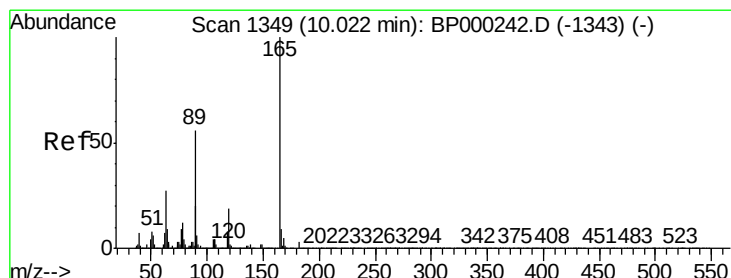
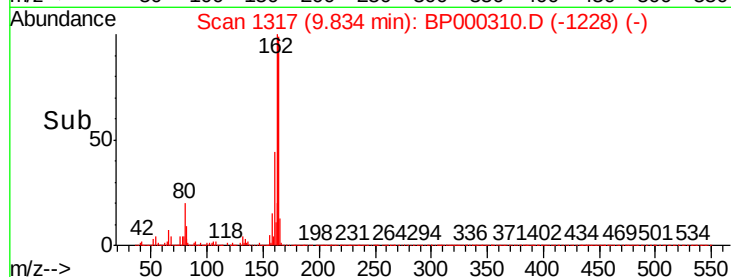
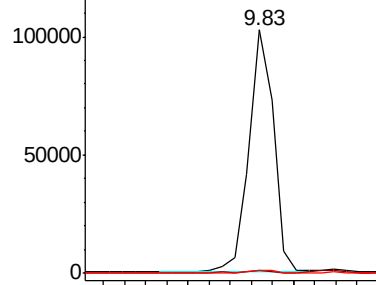
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	35.8	53.8#
89	1.4	42.6	63.8#



Abundance Ion 165.00 (164.70 to 165.70): E

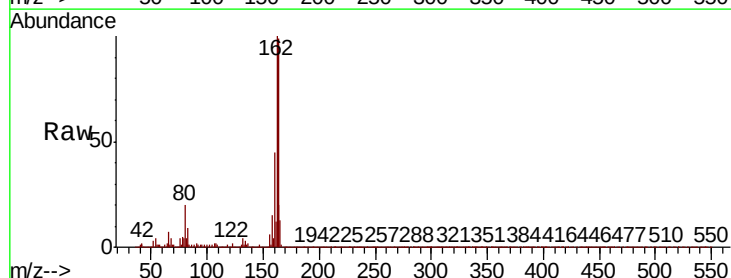
Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0



#57
2,4-Dinitrotoluene
Concen: 6.799 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.19 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	21.7	32.5#
89	1.4	45.0	67.6#
182	0.6	2.4	3.6#

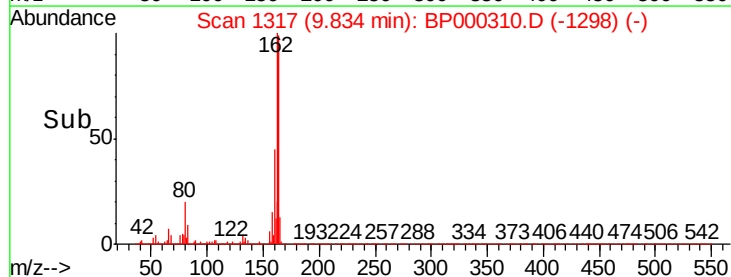
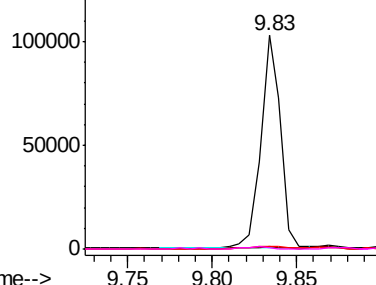


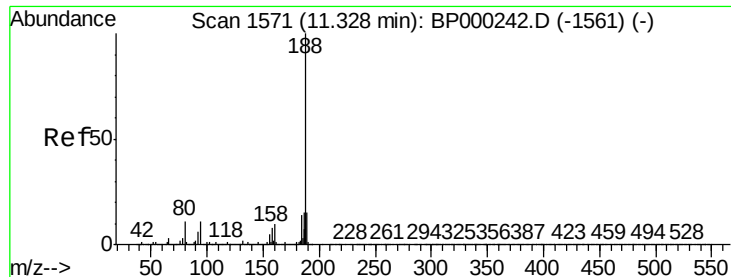
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

Instrument :

BNA_P

ClientSampleId :

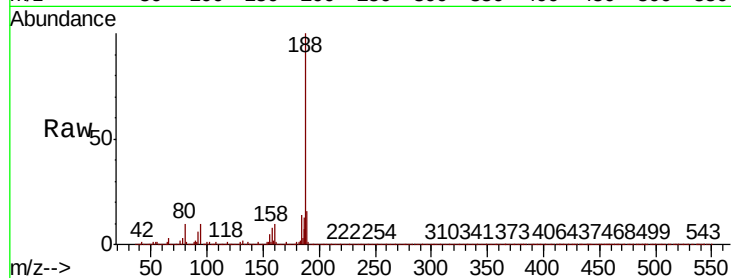
Tot Ion:188 Resp: 1073826

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

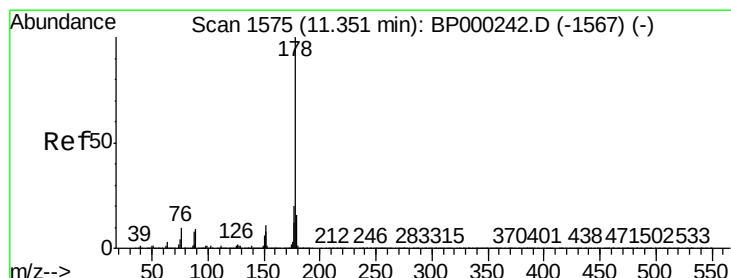
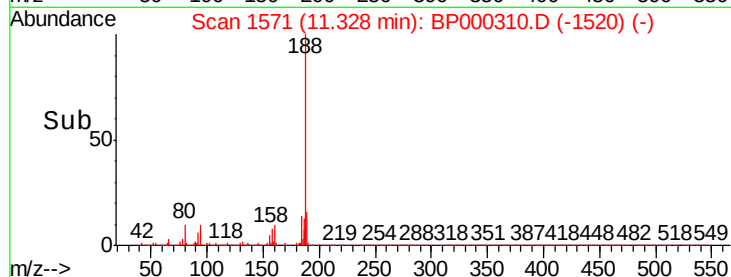
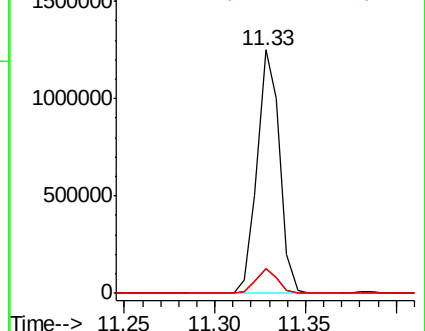
80 10.1 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 2.765 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

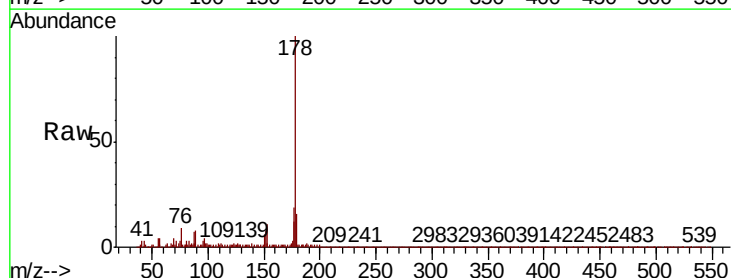
Tgt Ion:178 Resp: 148776

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

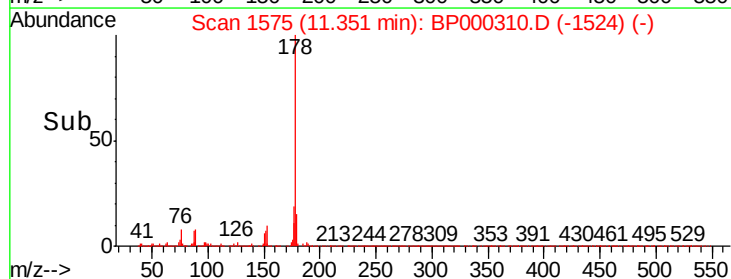
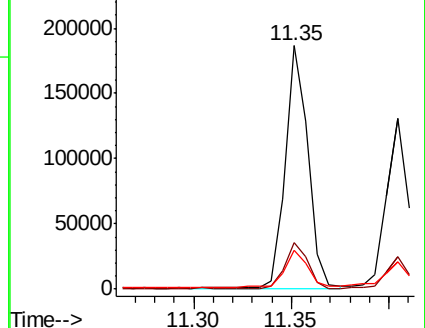
179 15.7 12.7 19.1

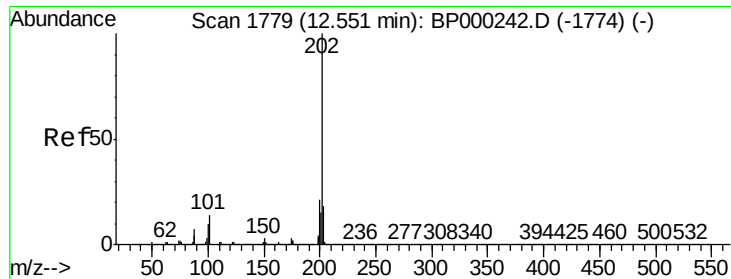


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 17.376 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

Instrument :

BNA_P

ClientSampleId :

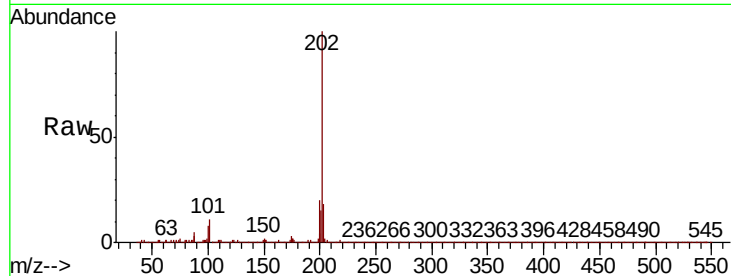
Tot Ion:202 Resp: 1004060

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	33.9
203	17.8	0.0	38.0

202 100

101 10.5 0.0 33.9

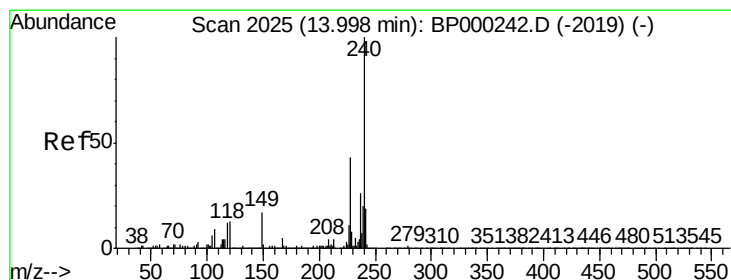
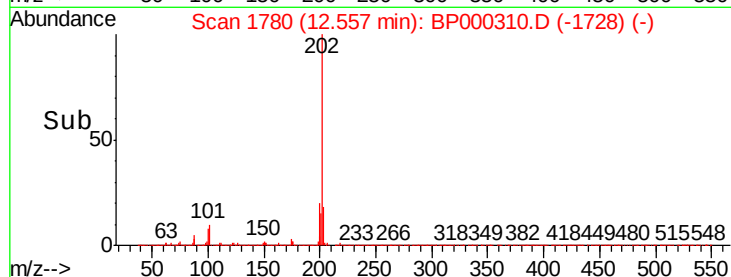
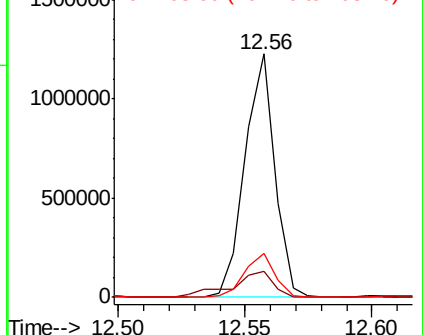
203 17.8 0.0 38.0



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# 2025

Delta R.T. -0.00 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

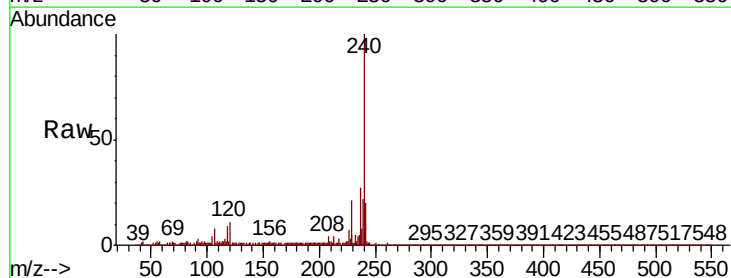
Tgt Ion:240 Resp: 812088

Ion	Ratio	Lower	Upper
240	100		
120	10.8	10.4	15.6
236	26.6	21.0	31.6

240 100

120 10.8 10.4 15.6

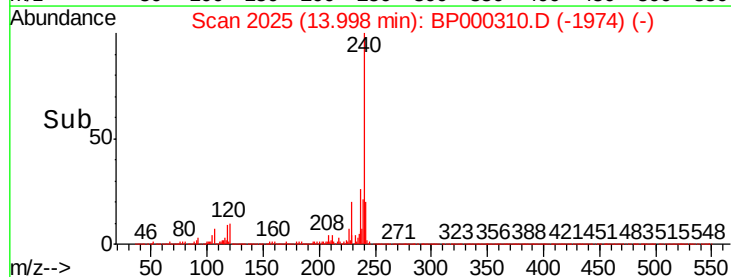
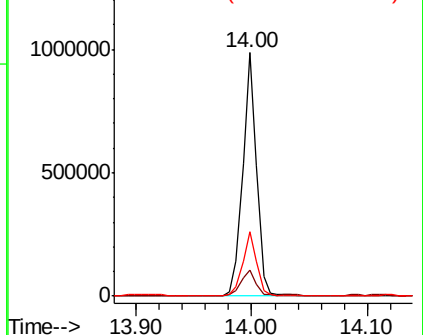
236 26.6 21.0 31.6

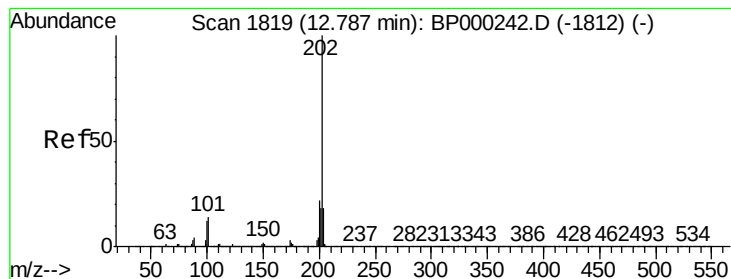


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 18.077 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

Instrument :

BNA_P

ClientSampleId :

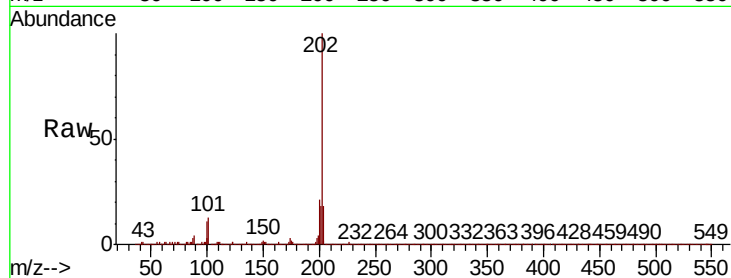
Tot Ion:202 Resp: 1098310

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	18.3	14.3	21.5

202 100

200 21.4 17.5 26.3

203 18.3 14.3 21.5

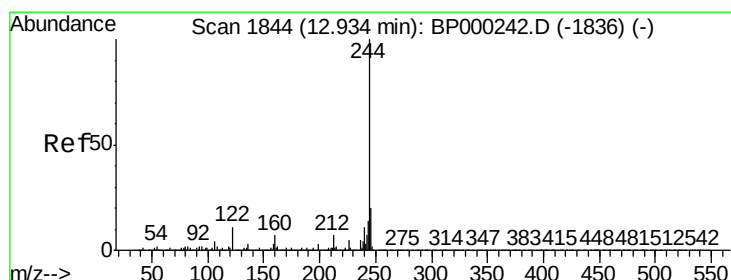
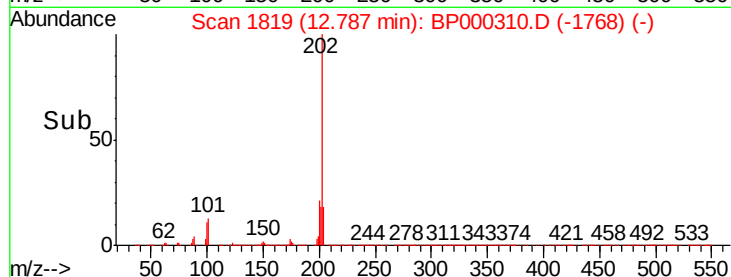
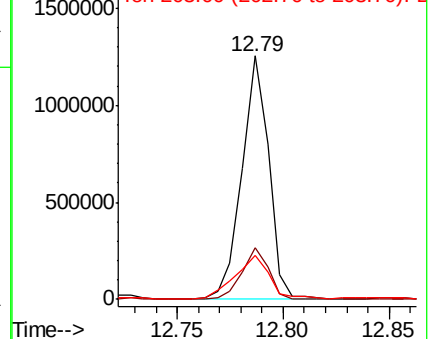


Abundance

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: 35.543 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

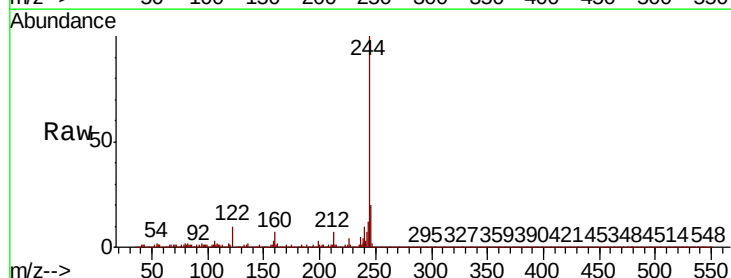
Tgt Ion:244 Resp: 1375877

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.0	9.0	13.4

244 100

212 7.0 5.9 8.9

122 10.0 9.0 13.4

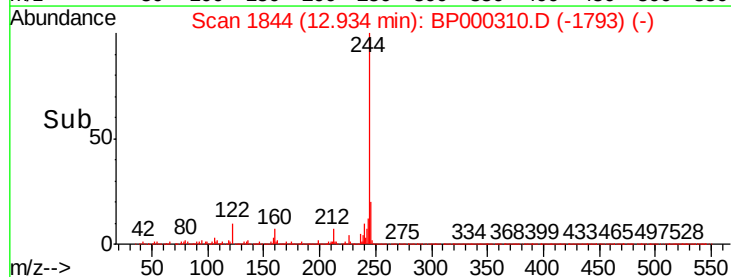
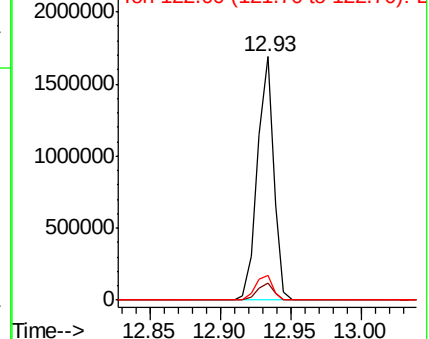


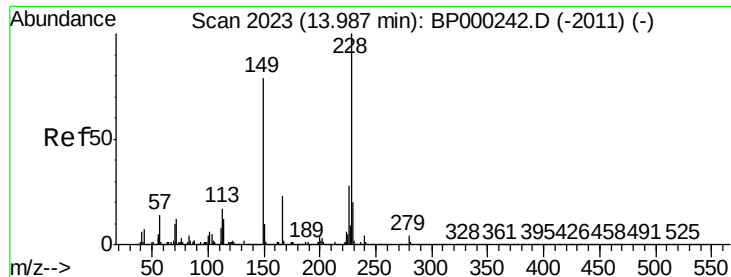
Abundance

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: 17.119 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

Instrument :

BNA_P

ClientSampled :

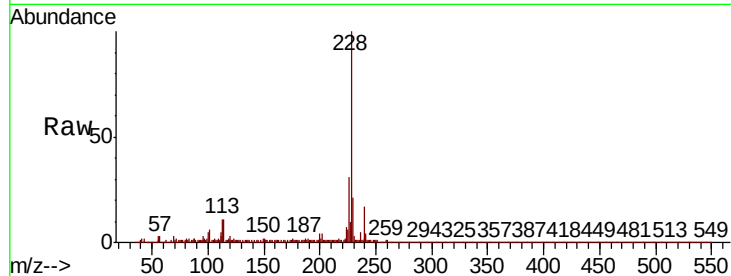
Tot Ion:228 Resp: 878160

Ion Ratio Lower Upper

228 100

226 31.1 22.2 33.4

229 21.1 16.0 24.0

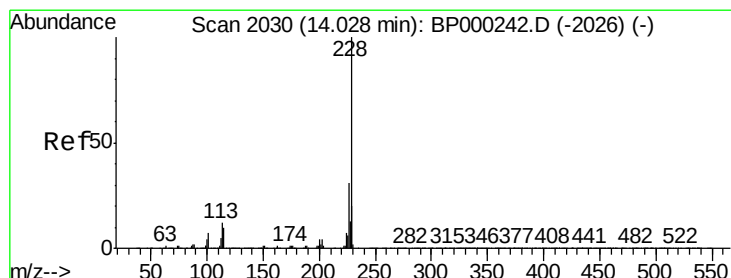
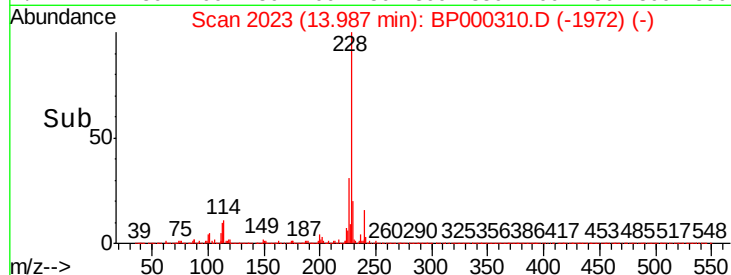
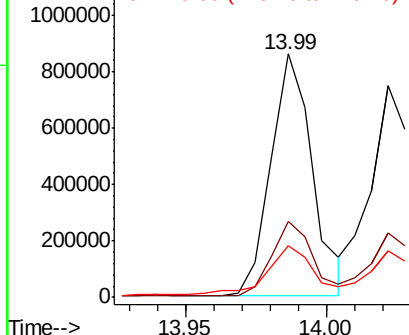


Abundance

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: 14.388 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BP000310.D

Acq: 18 Sep 2019 20:27

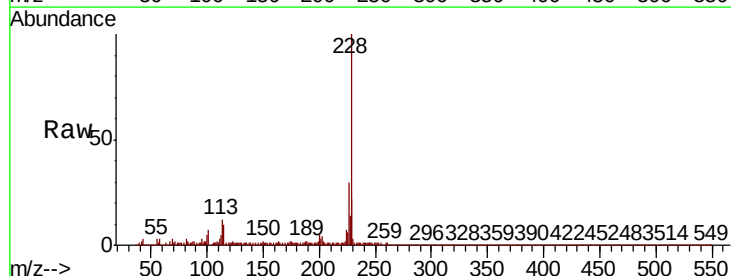
Tgt Ion:228 Resp: 724652

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

229 22.1 16.2 24.2

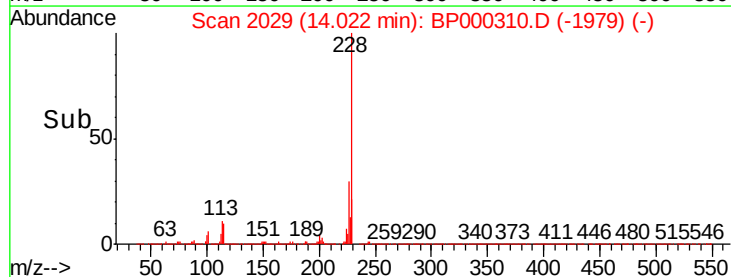
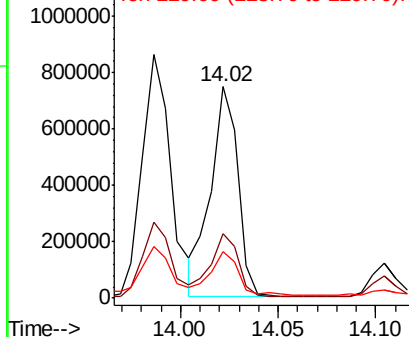


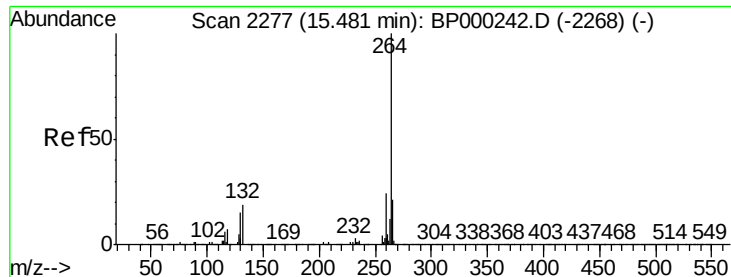
Abundance

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



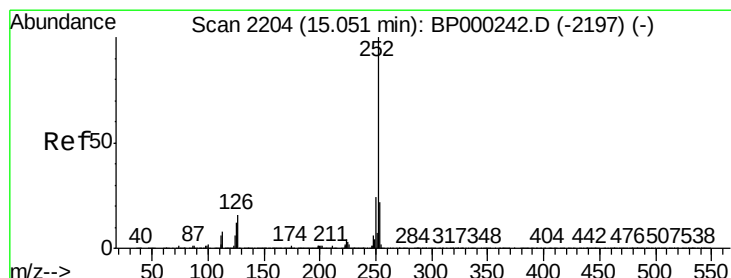
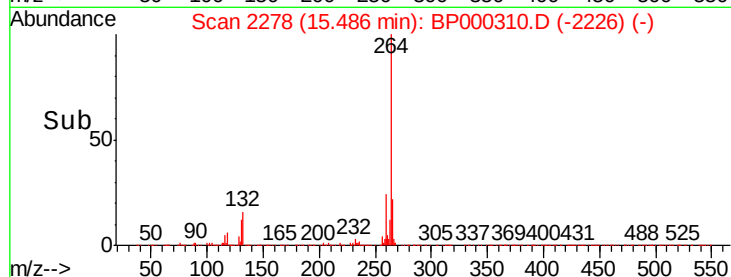
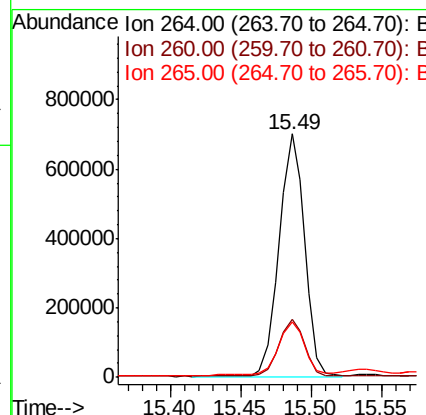
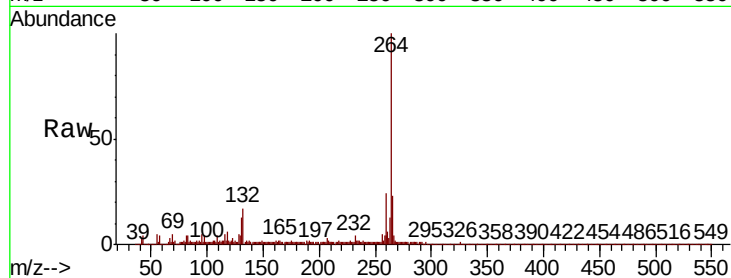


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Instrument :
BNA_P
ClientSampleId :

Tot Ion:264 Resp: 880041

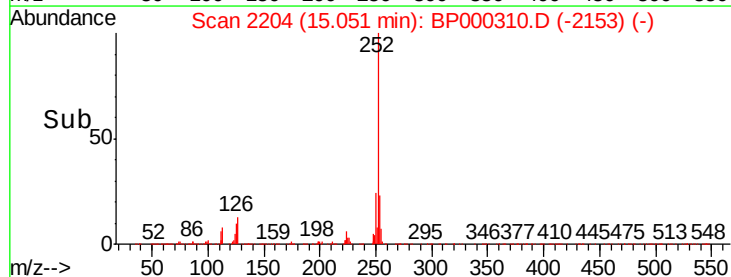
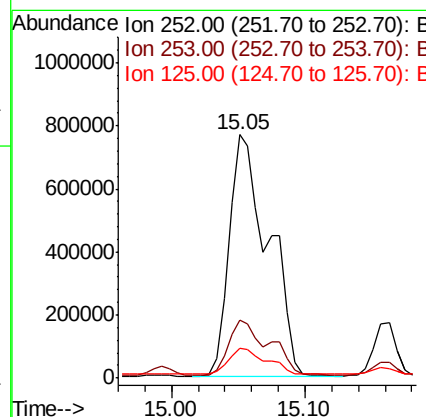
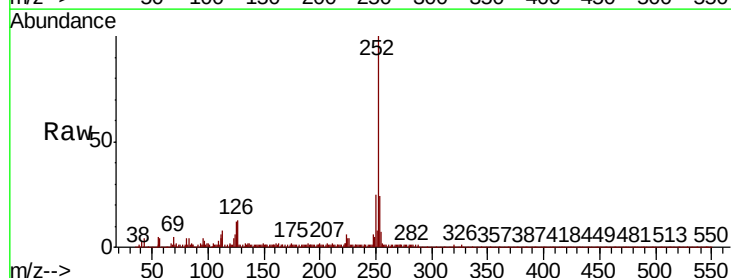
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	22.9	17.2	25.8

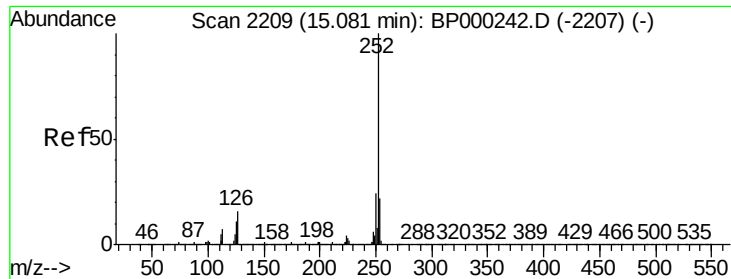


#88
Benzo(b)fluoranthene
Concen: 29.997 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Tgt Ion:252 Resp: 1574836

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	12.0	9.5	14.3

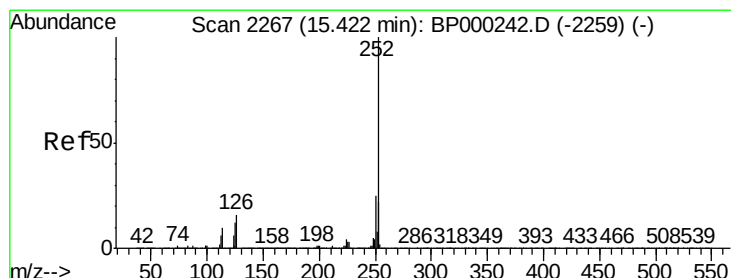
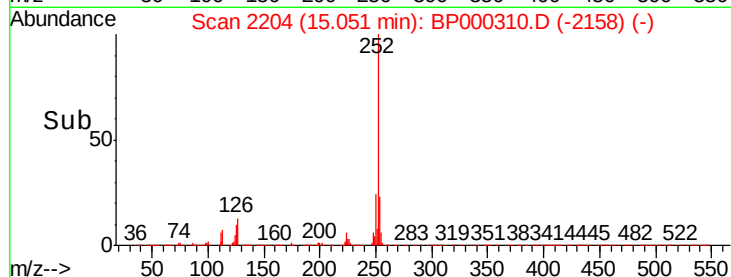
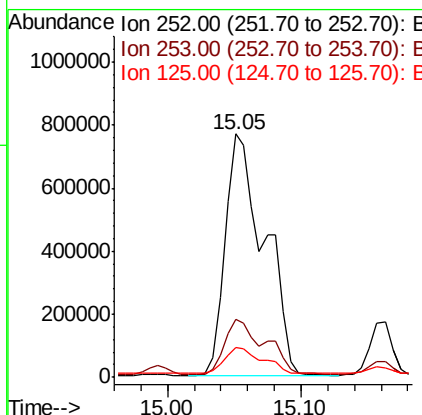
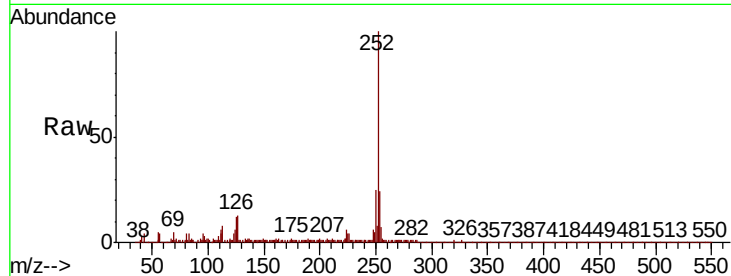




#89
Benzo(k)fluoranthene
Concen: 34.388 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

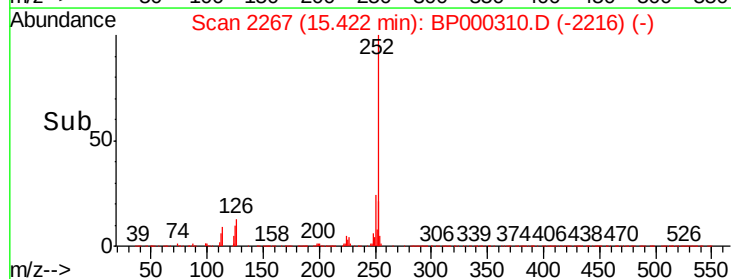
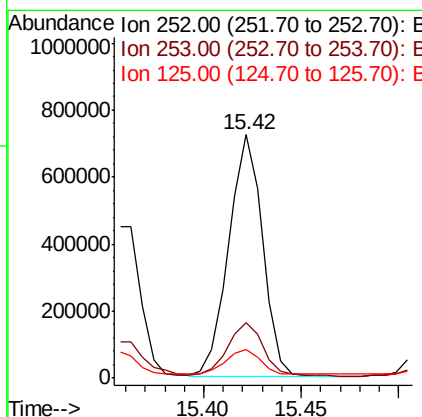
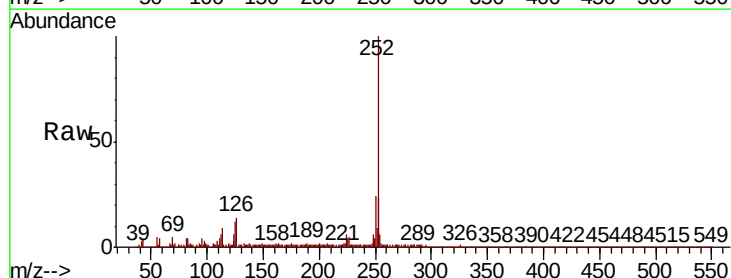
Instrument :
BNA_P
ClientSampled :

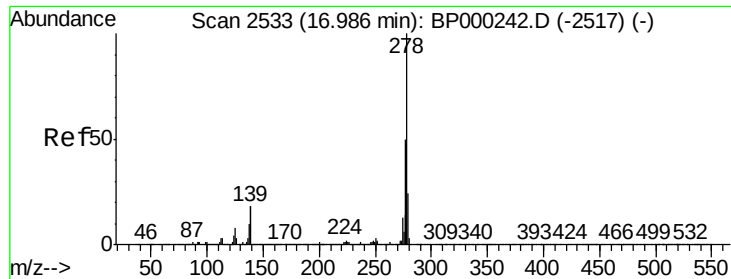
Tot Ion:252 Resp: 1574836
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 12.0 9.6 14.4



#90
Benzo(a)pyrene
Concen: 18.160 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Tgt Ion:252 Resp: 867506
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.7 10.0 15.0

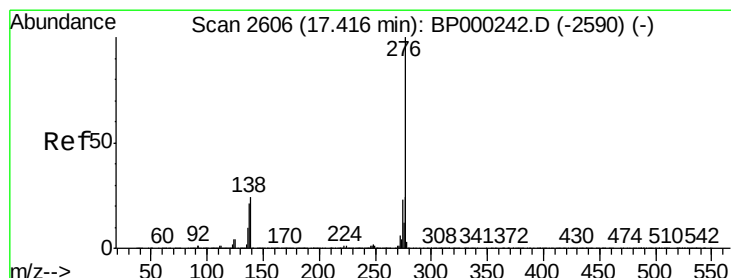
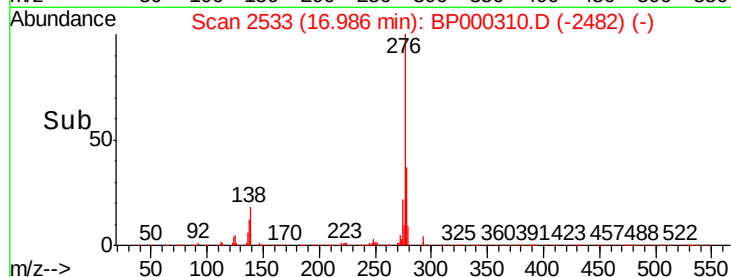
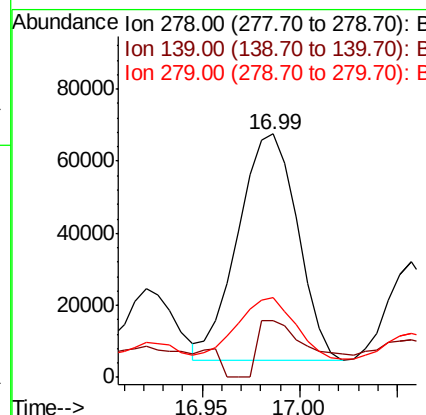
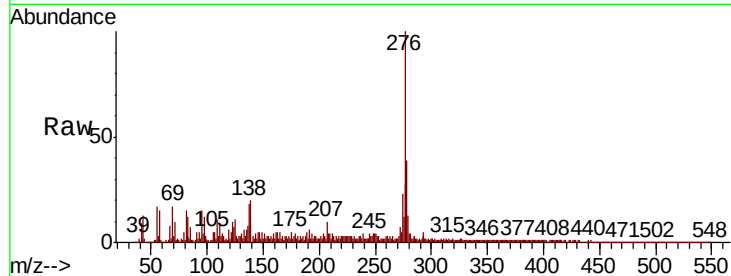




#91
Dibenzo(a,h)anthracene
Concen: 2.975 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.5	14.5	21.7#
279	32.6	19.0	28.6#



#92
Benzo(g,h,i)perylene
Concen: 9.764 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BP000310.D
Acq: 18 Sep 2019 20:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	21.4	19.5	29.3

