

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
 Data File : BP001242.D
 Acq On : 06 Dec 2019 21:21
 Operator : JU
 Sample : K6135-04 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 07 00:41:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

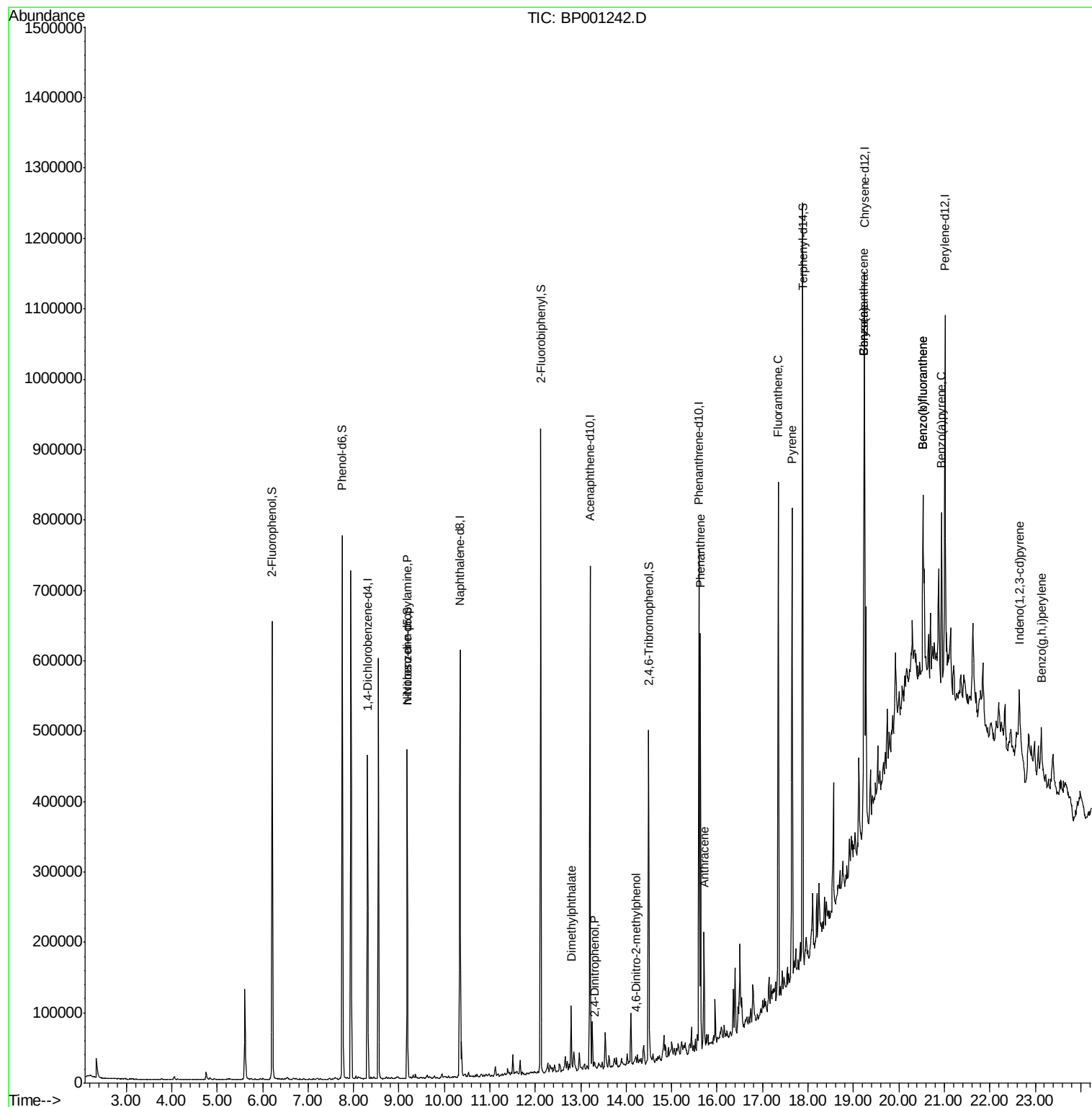
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.31	152	79839	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	301025	20.00	ng	-0.01
39) Acenaphthene-d10	13.20	164	174558	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	328971	20.00	ng	-0.01
76) Chrysene-d12	19.24	240	248210	20.00	ng	-0.02
87) Perylene-d12	21.02	264	263257	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	191299	39.75	ng	0.00
7) Phenol-d6	7.75	99	266342	41.54	ng	-0.01
23) Nitrobenzene-d5	9.18	82	182325	26.28	ng	-0.02
42) 2,4,6-Tribromophenol	14.49	330	57006	34.07	ng	-0.01
45) 2-Fluorobiphenyl	12.12	172	329539	27.63	ng	-0.02
79) Terphenyl-d14	17.88	244	381040	28.40	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.62	77	225	Below Cal		Qvalue # 61
19) n-Nitroso-di-n-propylamine	9.18	70	26775	5.788	ng	# 80
50) Dimethylphthalate	12.79	163	39316	3.012	ng	100
54) 2,4-Dinitrophenol	13.29	184	26	7.130	ng	# 1
65) 4,6-Dinitro-2-methylphenol	14.20	198	9	6.282	ng	# 1
71) Phenanthrene	15.63	178	259055	14.979	ng	99
72) Anthracene	15.71	178	74383	4.363	ng	98
75) Fluoranthene	17.35	202	333911	18.237	ng	100
78) Pyrene	17.65	202	291956	14.934	ng	97
81) Benzo(a)anthracene	19.23	228	147567	8.575	ng	96
83) Chrysene	19.23	228	147567	9.576	ng	97
86) Indeno(1,2,3-cd)pyrene	22.64	276	66948	3.686	ng	95
88) Benzo(b)fluoranthene	20.53	252	212935	13.242	ng	# 94
89) Benzo(k)fluoranthene	20.53	252	212935	13.749	ng	# 94
90) Benzo(a)pyrene	20.94	252	122632	8.280	ng	# 91
92) Benzo(g,h,i)perylene	23.13	276	62959	4.399	ng	98

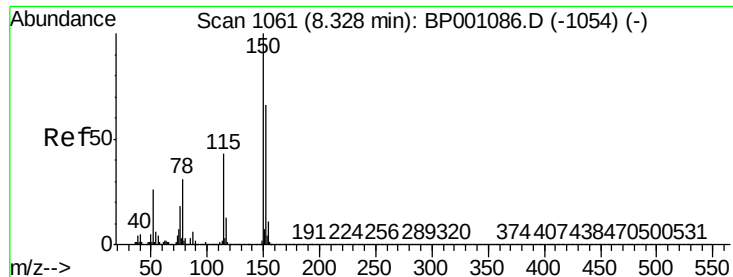
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 05 12:34:47 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

Instrument :

BNA_P

ClientSampled :

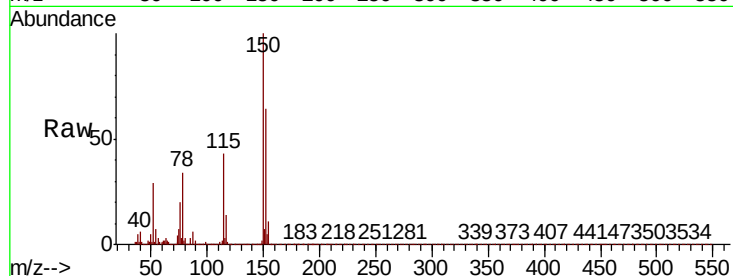
Tot Ion:152 Resp: 79839

Ion Ratio Lower Upper

152 100

150 156.0 127.3 190.9

115 67.8 56.0 84.0

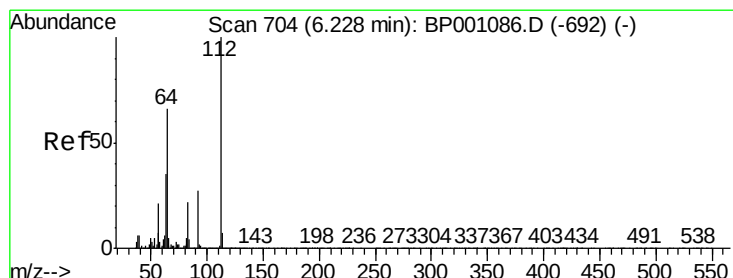
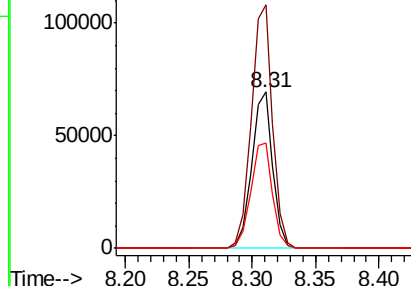
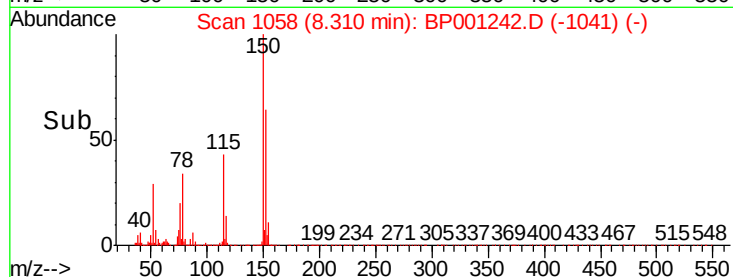


Abundance

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: 39.753 ng

RT: 6.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

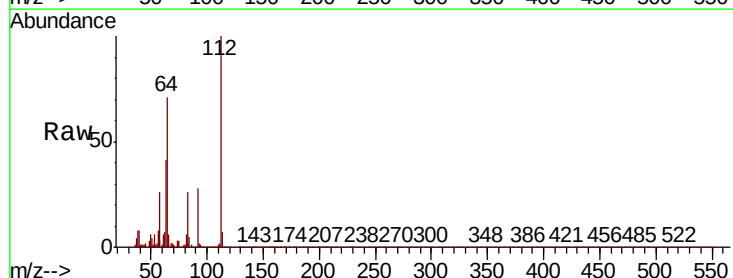
Tgt Ion:112 Resp: 191299

Ion Ratio Lower Upper

112 100

64 71.3 56.8 85.2

63 40.8 32.2 48.2

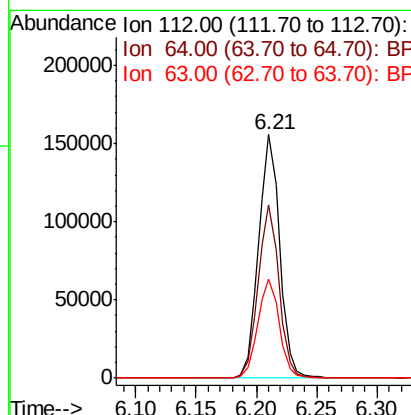
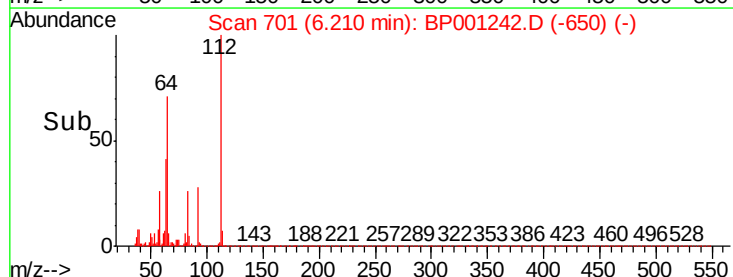


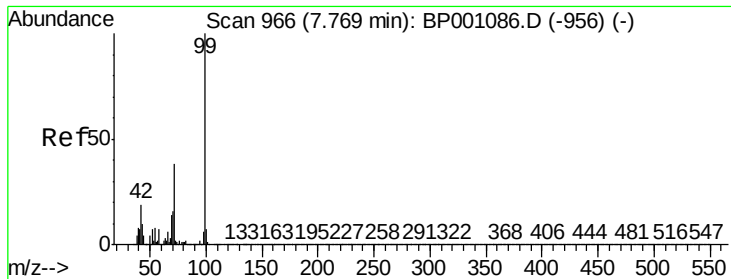
Abundance

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: 41.544 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

Instrument :

BNA_P

ClientSampleId :

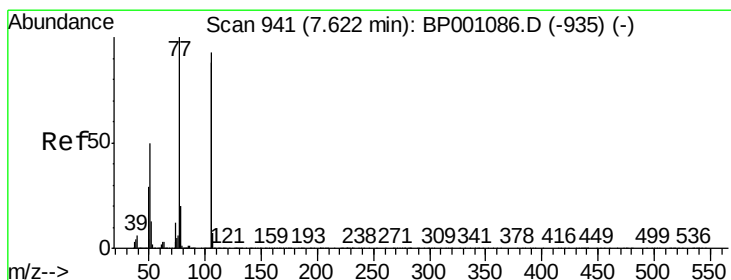
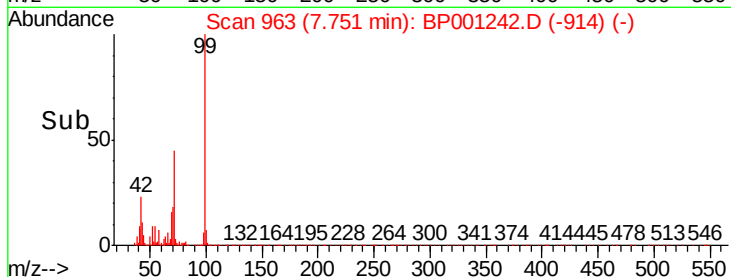
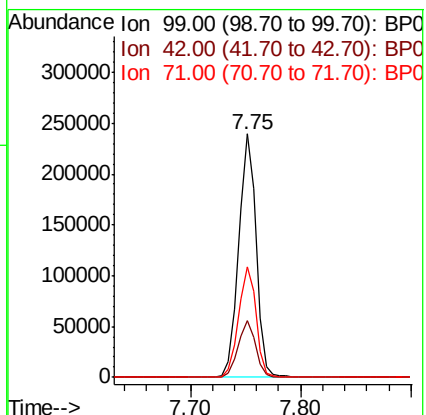
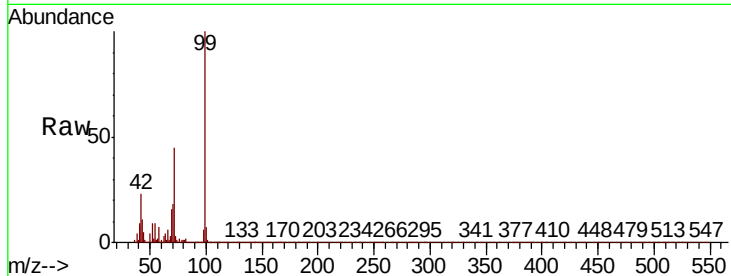
Tot Ion: 99 Resp: 266342

Ion Ratio Lower Upper

99 100

42 23.3 17.6 26.4

71 45.4 33.8 50.8



#9

Benzaldehyde

Concen: Below Cal

RT: 7.62 min Scan# 940

Delta R.T. 0.01 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

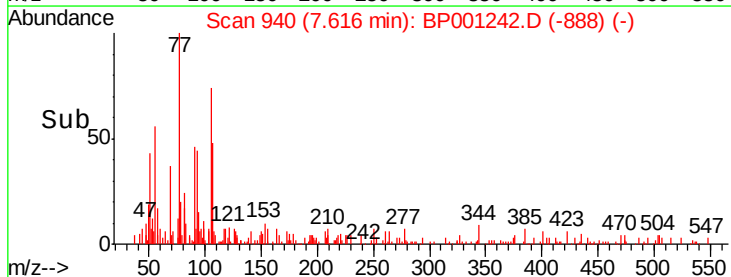
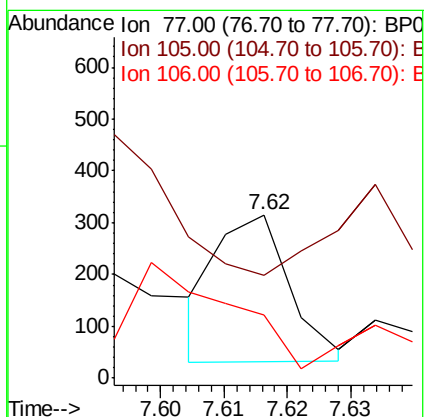
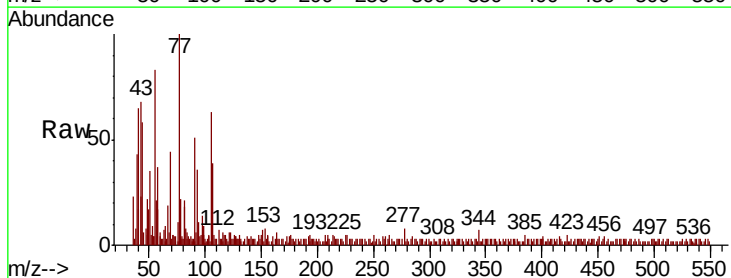
Tgt Ion: 77 Resp: 225

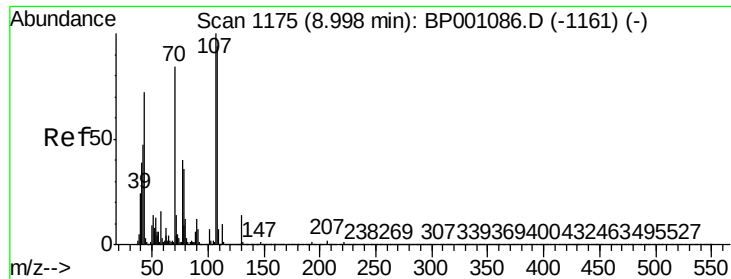
Ion Ratio Lower Upper

77 100

105 63.2 69.7 109.7#

106 41.3 67.1 107.1#

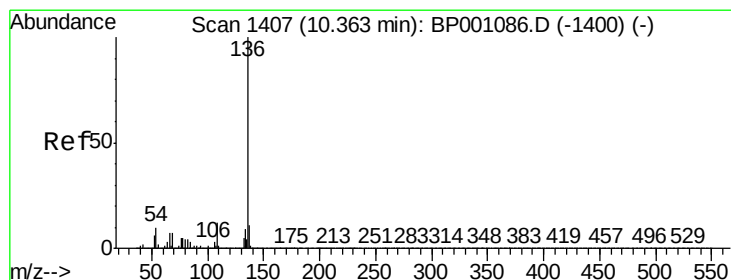
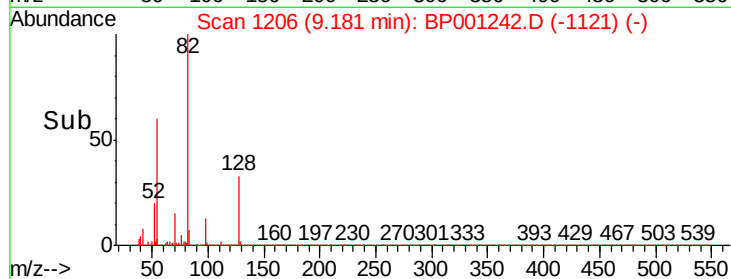
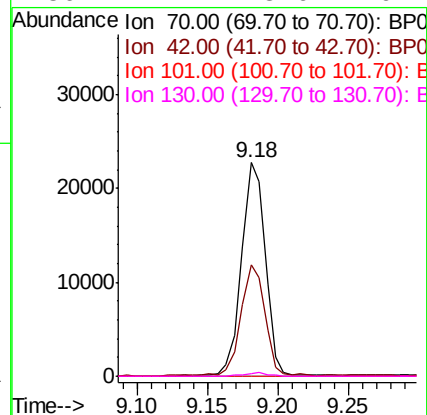
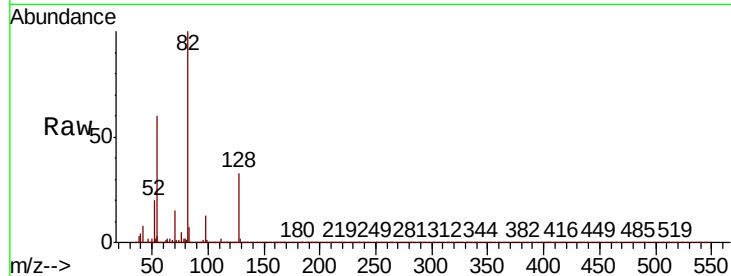




#19
n-Nitroso-di-n-propylamine
Concen: 5.788 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.20 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

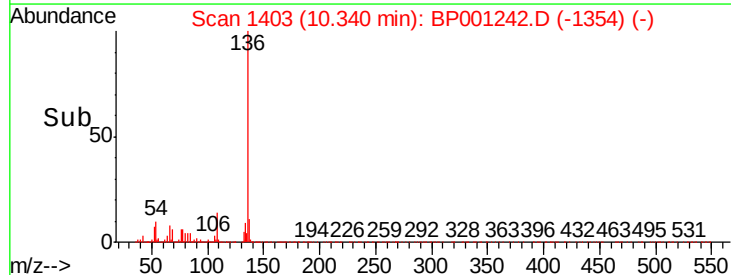
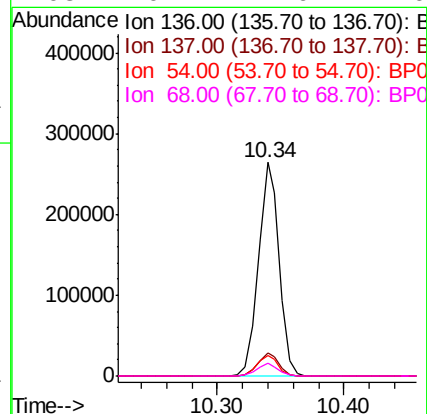
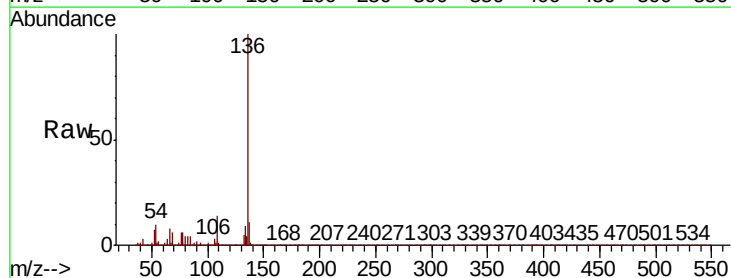
Instrument :
BNA_P
ClientSampleId :

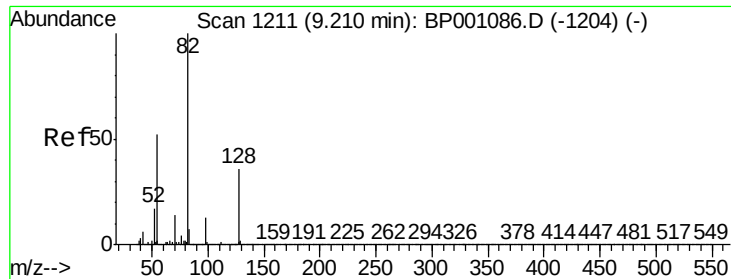
Tot Ion:	70	Resp:	26775
Ion	Ratio	Lower	Upper
70	100		
42	52.0	50.6	76.0
101	0.0	7.1	10.7#
130	1.2	13.6	20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

Tgt Ion:	136	Resp:	301025
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.8	7.4	11.0
68	6.1	4.6	7.0

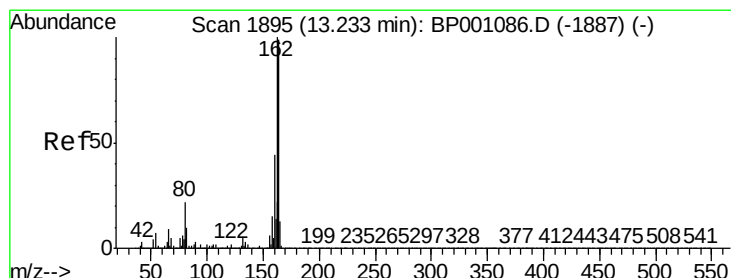
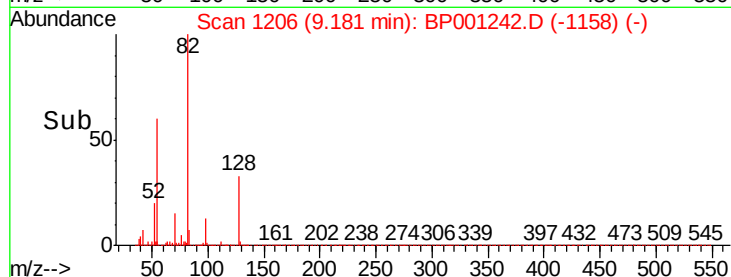
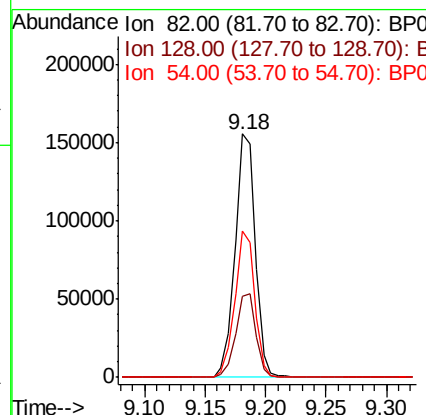
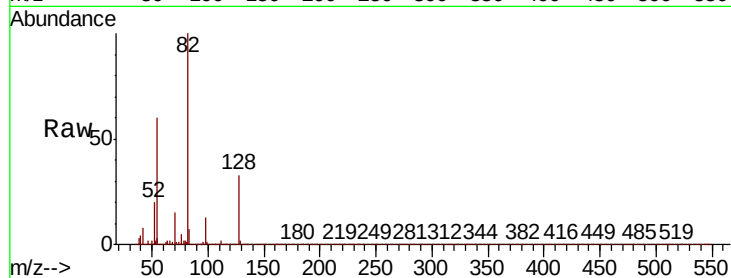




#23
Nitrobenzene-d5
Concen: 26.278 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

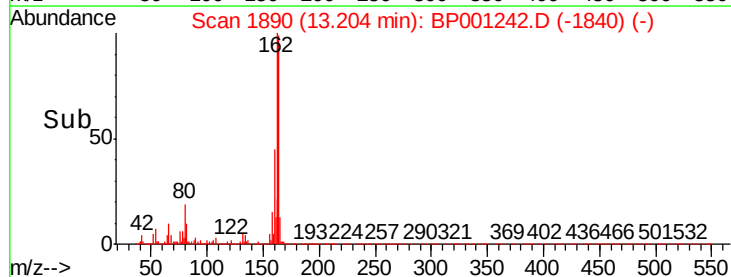
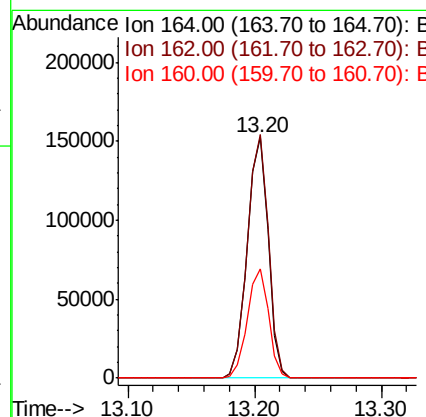
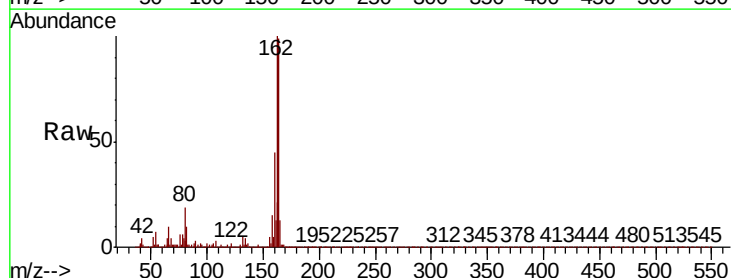
Instrument :
BNA_P
ClientSampleId :

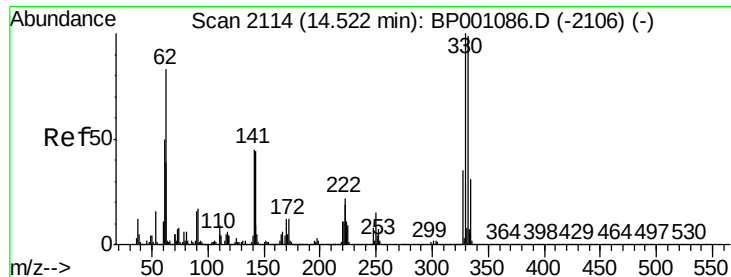
Tot Ion	82	Resp	182325
Ion Ratio	Lower	Upper	
82	100		
128	33.4	27.5	41.3
54	59.9	45.7	68.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

Tgt Ion	164	Resp	174558
Ion Ratio	Lower	Upper	
164	100		
162	101.1	80.7	121.1
160	45.6	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 34.071 ng

RT: 14.49 min Scan# 2109

Delta R.T. -0.01 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

Instrument :

BNA_P

ClientSampleId :

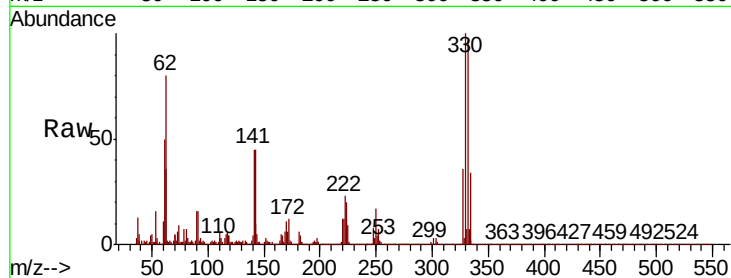
Tot Ion:330 Resp: 57006

Ion Ratio Lower Upper

330 100

332 96.6 79.1 118.7

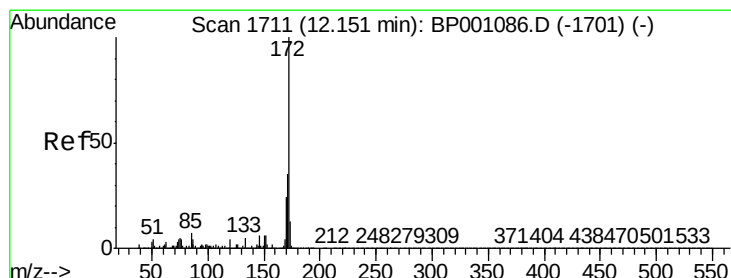
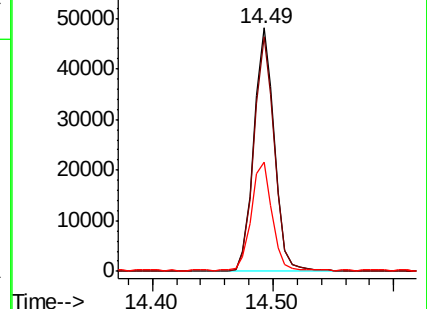
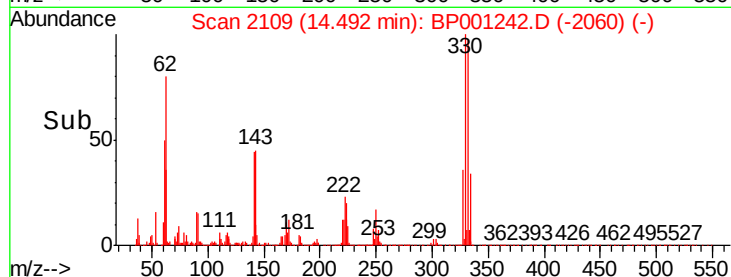
141 45.1 35.9 53.9



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: 27.630 ng

RT: 12.12 min Scan# 1705

Delta R.T. -0.02 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

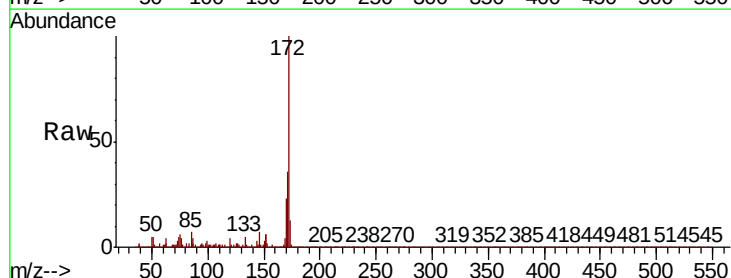
Tgt Ion:172 Resp: 329539

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

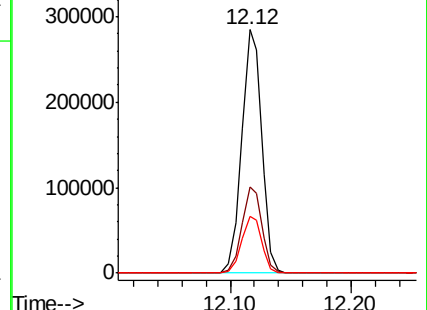
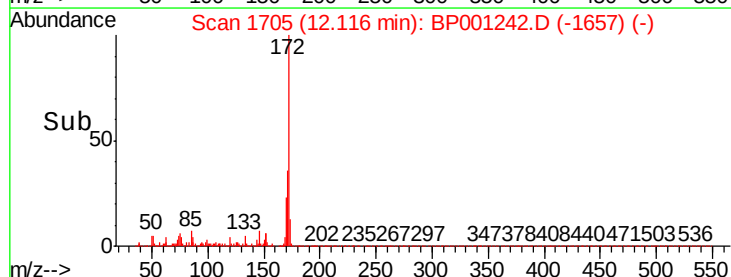
170 23.4 19.2 28.8

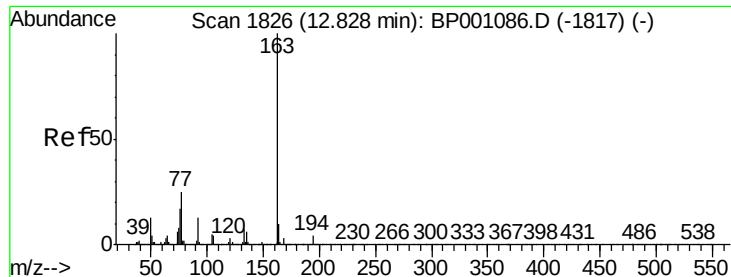


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.012 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

Instrument :

BNA_P

ClientSampleId :

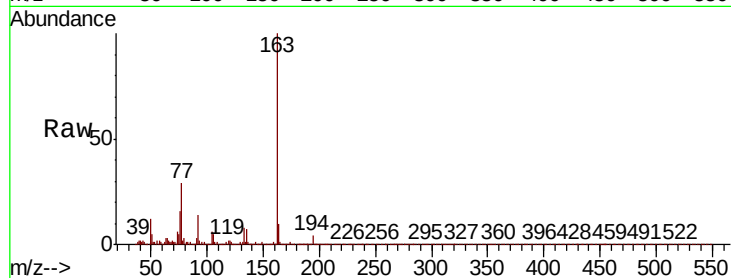
Tot Ion:163 Resp: 39316

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

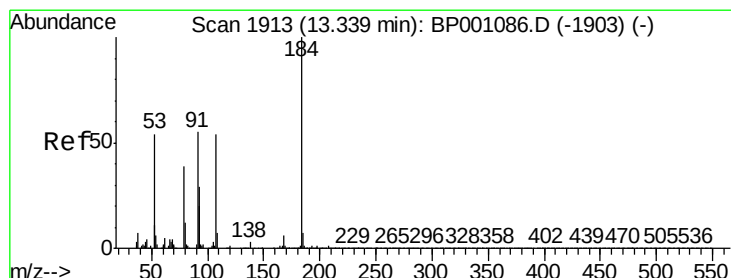
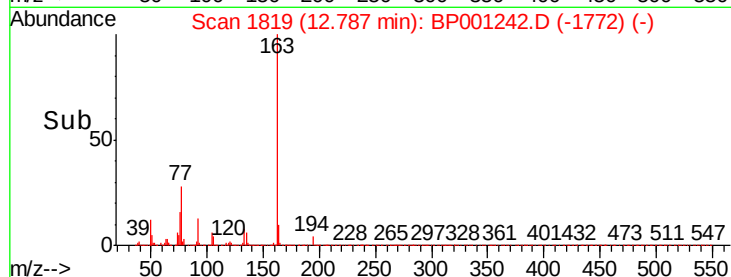
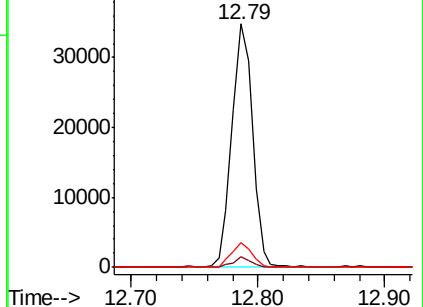
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 7.130 ng

RT: 13.29 min Scan# 1905

Delta R.T. -0.03 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

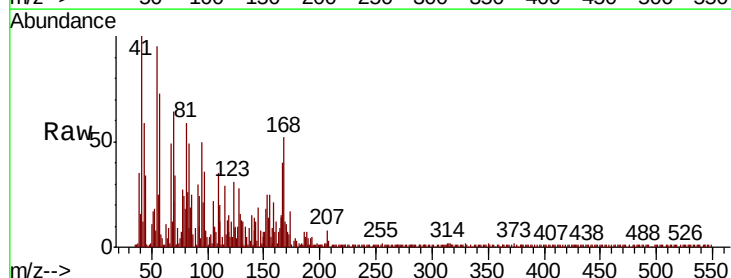
Tgt Ion:184 Resp: 26

Ion Ratio Lower Upper

184 100

63 460.0 69.4 104.0#

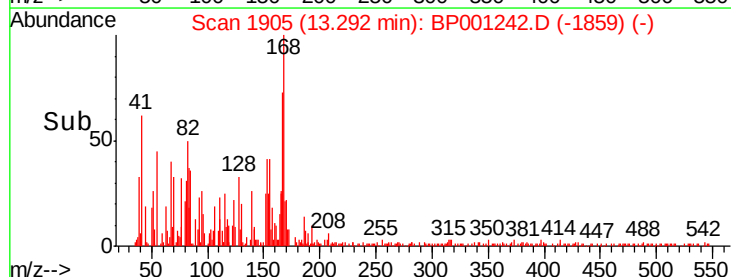
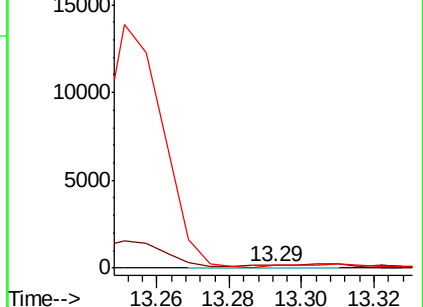
154 593.3 57.4 86.2#

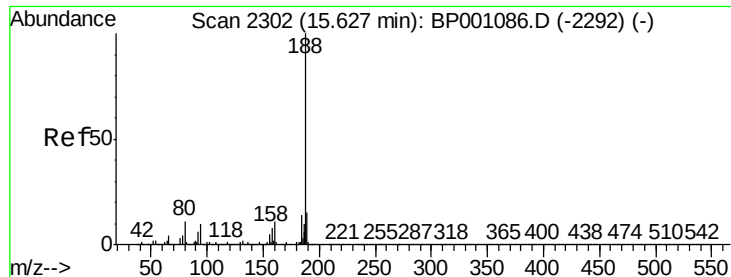


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

Delta R.T. -0.01 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

Instrument :

BNA_P

ClientSampleId :

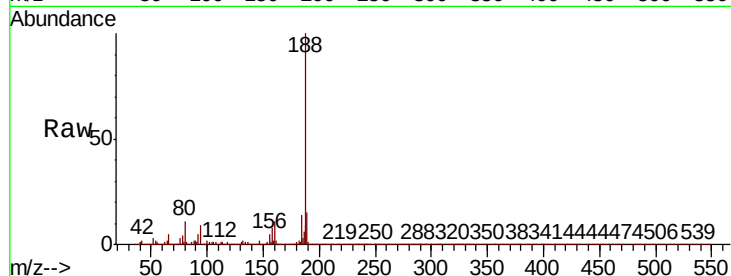
Tot Ion:188 Resp: 328971

Ion Ratio Lower Upper

188 100

94 9.5 7.1 10.7

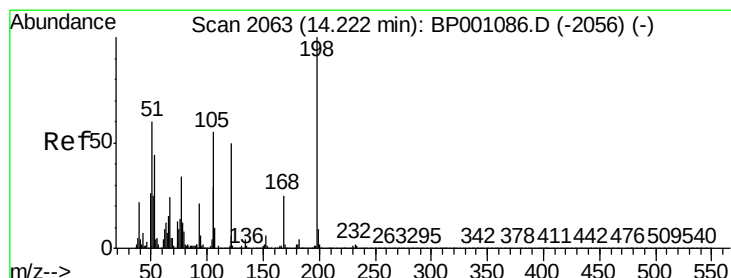
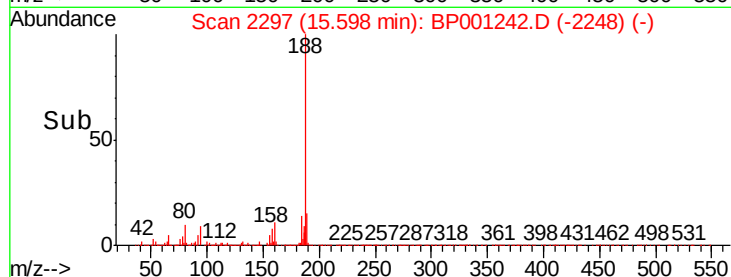
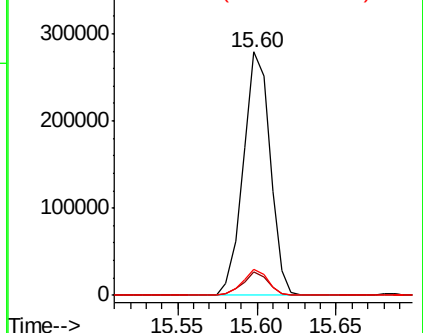
80 10.5 7.8 11.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.282 ng

RT: 14.20 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

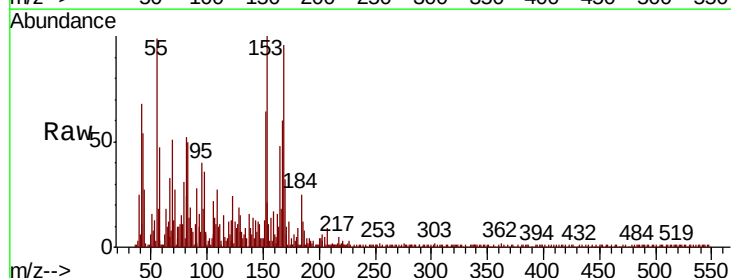
Tgt Ion:198 Resp: 9

Ion Ratio Lower Upper

198 100

51 1452.9 36.2 76.2#

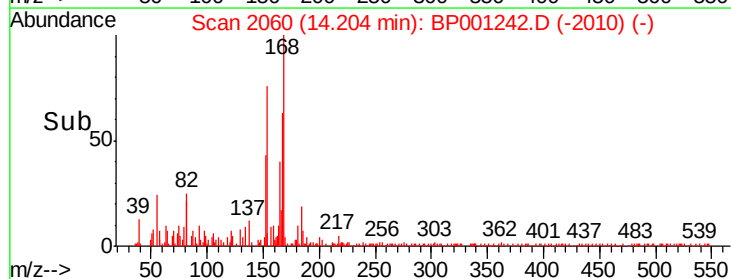
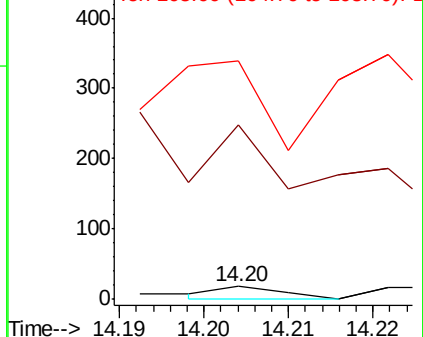
105 1994.1 30.2 70.2#

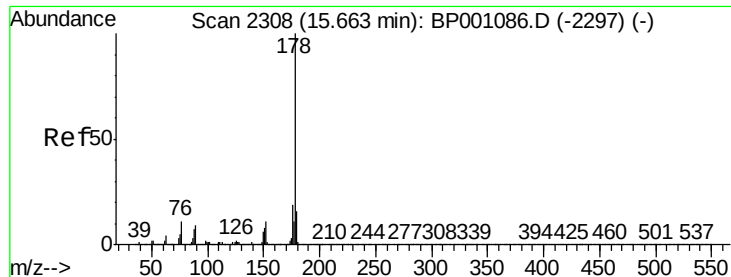


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 14.979 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

Instrument :

BNA_P

ClientSampleId :

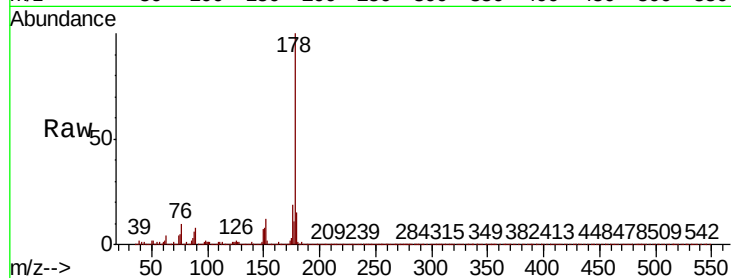
Tot Ion:178 Resp: 259055

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

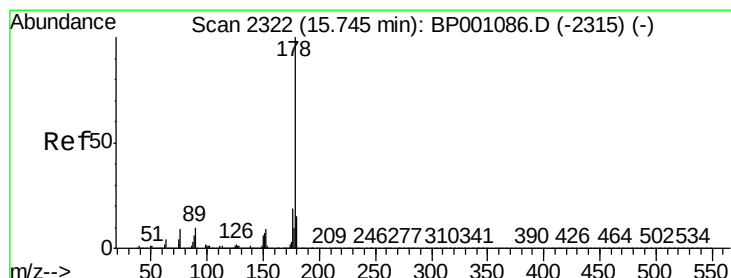
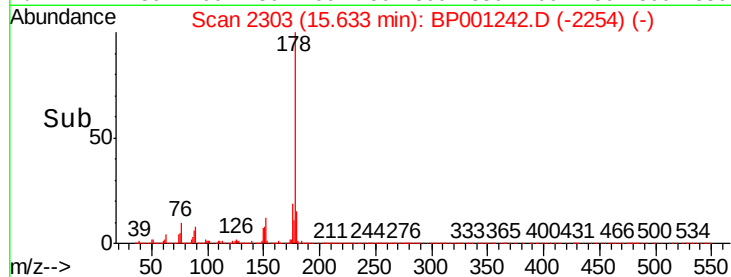
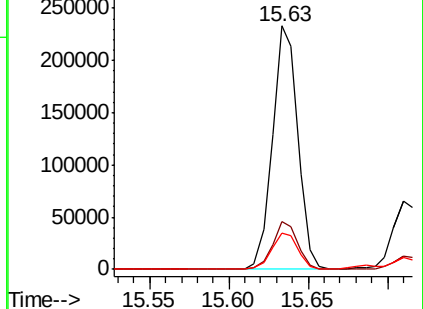
179 15.1 12.4 18.6



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: 4.363 ng

RT: 15.71 min Scan# 2316

Delta R.T. -0.01 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

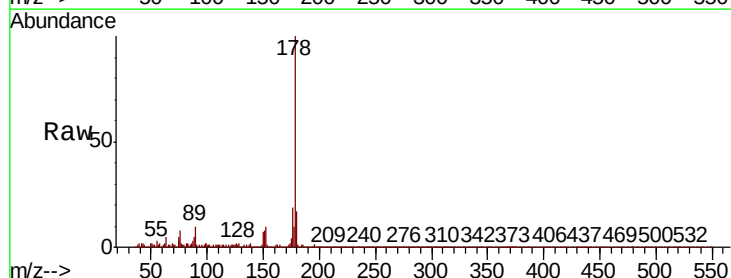
Tgt Ion:178 Resp: 74383

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

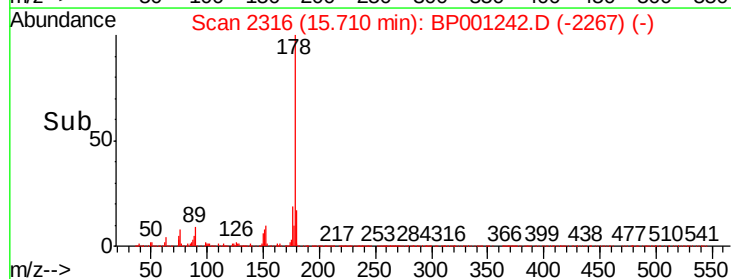
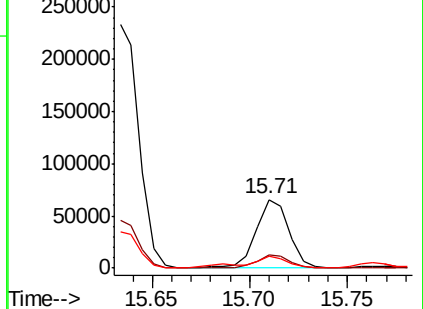
179 17.4 12.7 19.1

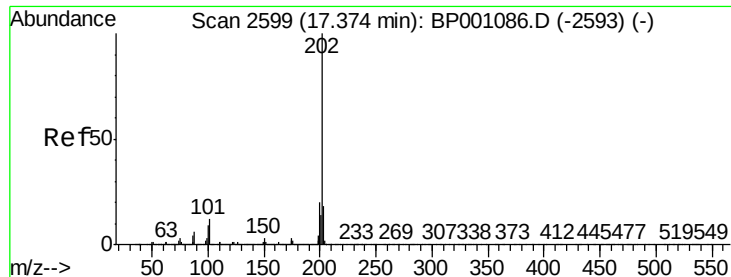


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 18.237 ng

RT: 17.35 min Scan# 2594

Delta R.T. -0.01 min

Lab File: BP001242.D

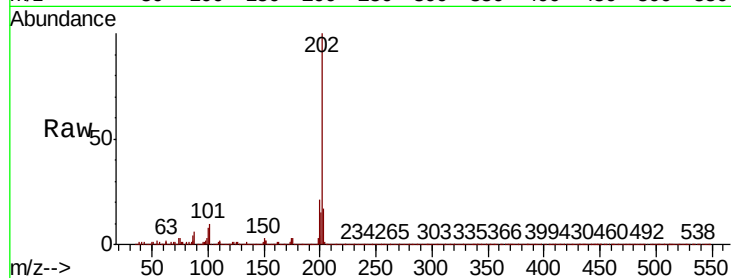
Acq: 06 Dec 2019 21:21

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	333911
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.0
203	17.2	0.0	37.1

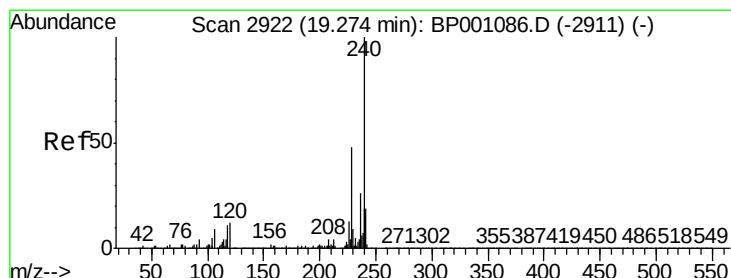
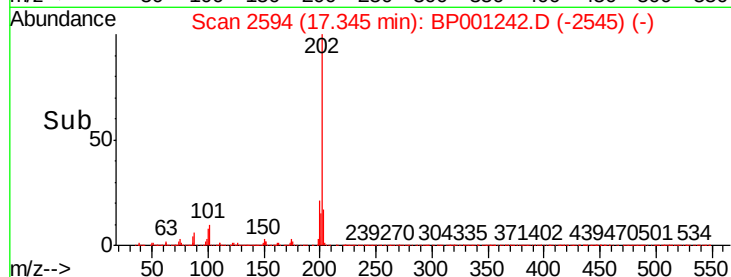
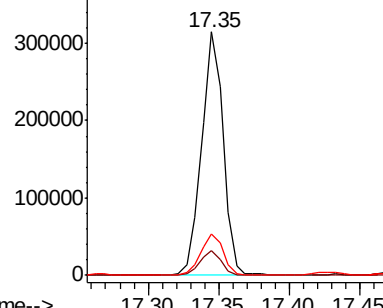


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

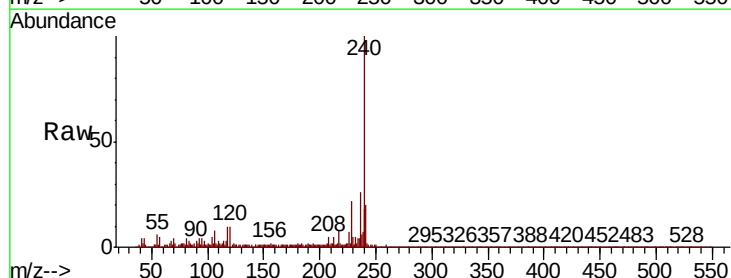
RT: 19.24 min Scan# 2916

Delta R.T. -0.02 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

Tgt Ion:	240	Resp:	248210
Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.0	10.6
236	26.4	21.7	32.5

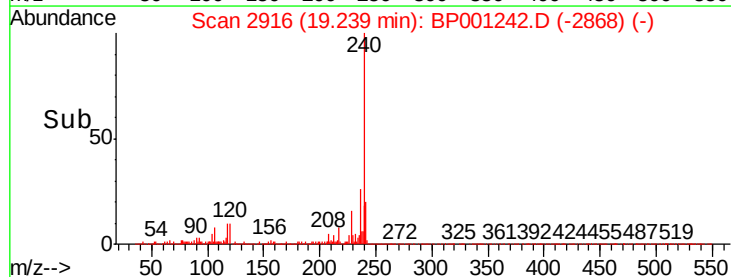
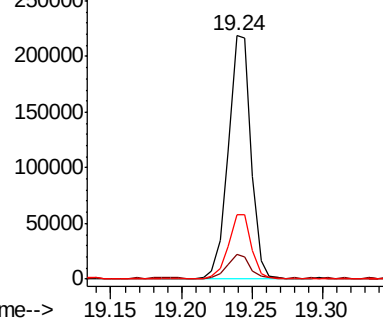


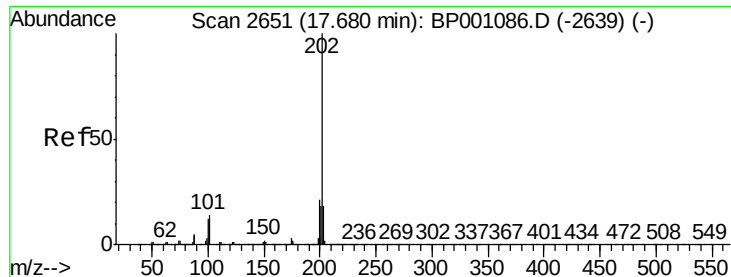
Abundance

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: 14.934 ng

RT: 17.65 min Scan# 2646

Delta R.T. -0.01 min

Lab File: BP001242.D

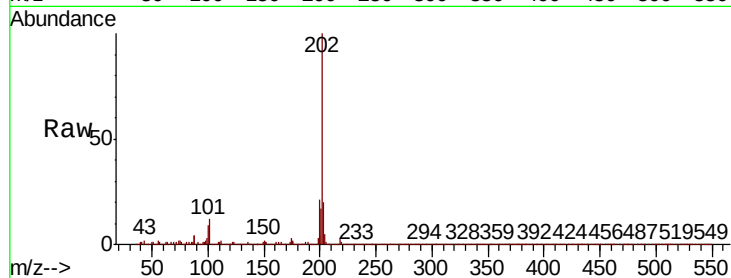
Acq: 06 Dec 2019 21:21

Instrument :

BNA_P

ClientSampleId :

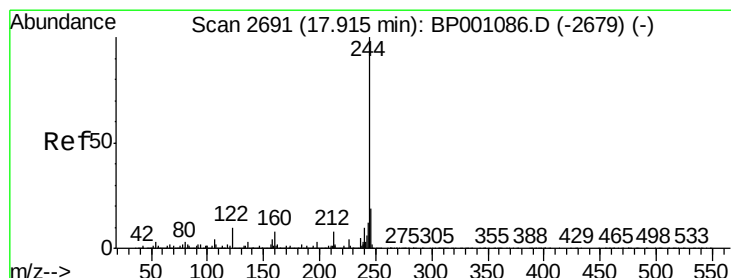
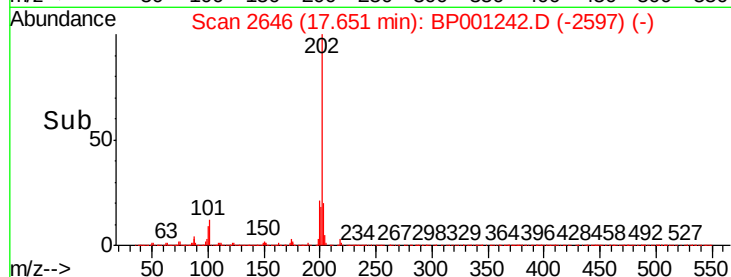
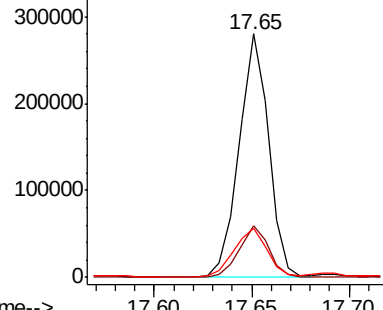
Tot Ion:	202	Resp:	291956
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	20.3	13.8	20.8



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: 28.402 ng

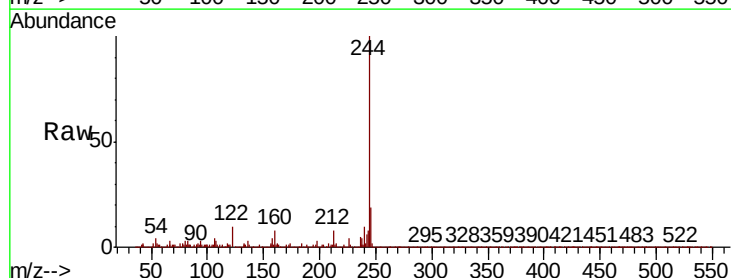
RT: 17.88 min Scan# 2685

Delta R.T. -0.01 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

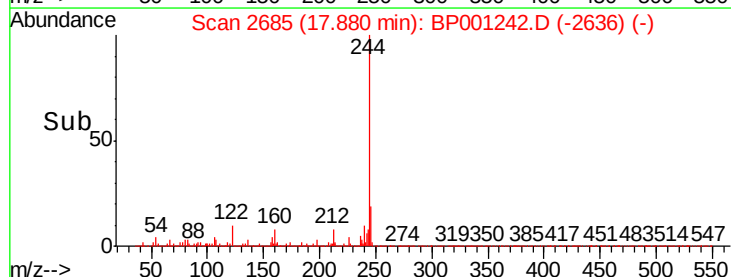
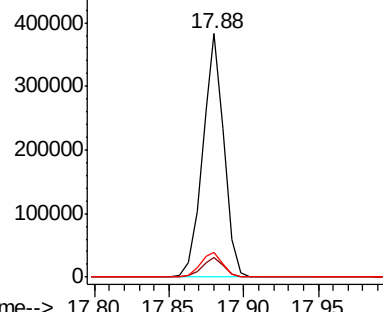
Tgt Ion:	244	Resp:	381040
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.6	9.8
122	10.1	9.2	13.8

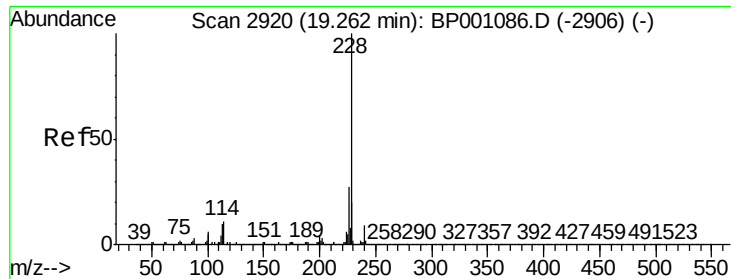


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

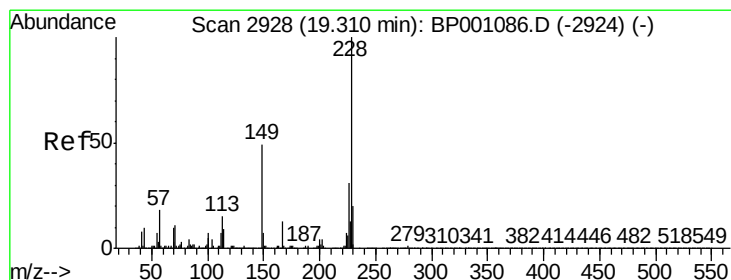
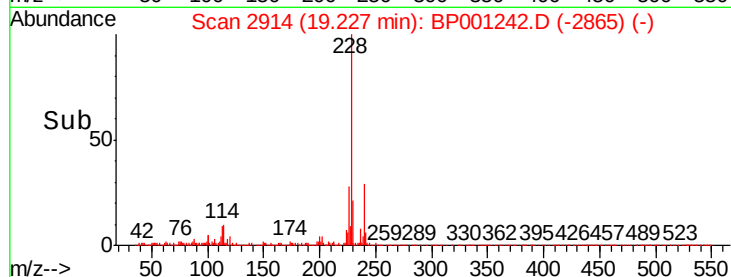
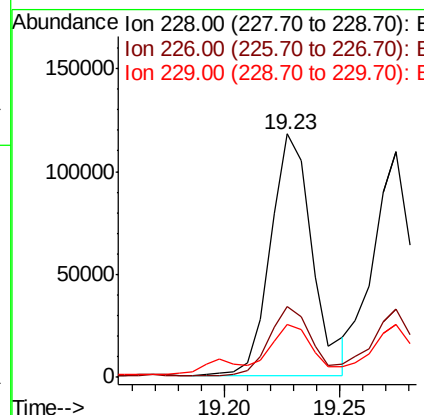
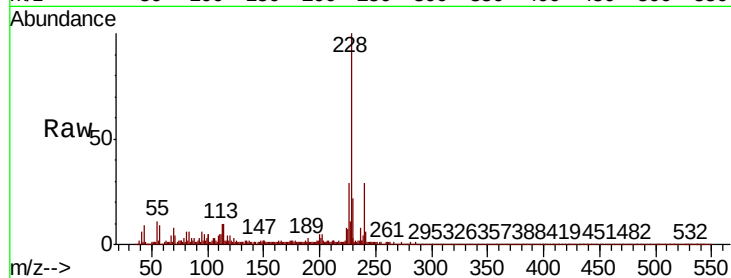




#81
Benzo(a)anthracene
Concen: 8.575 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.01 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

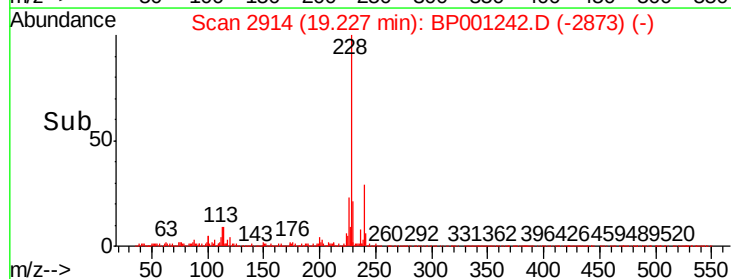
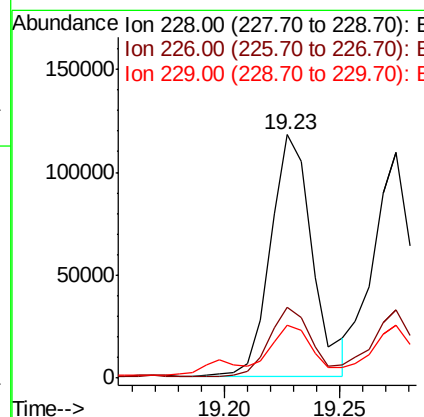
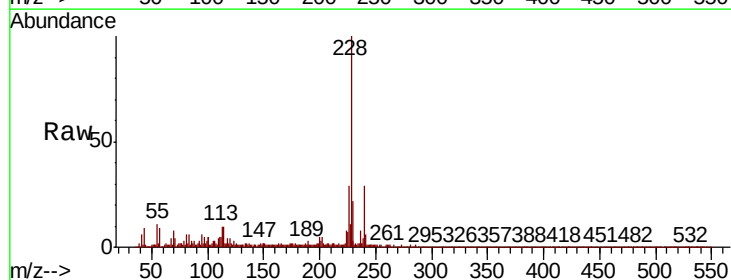
Instrument :
BNA_P
ClientSampleId :

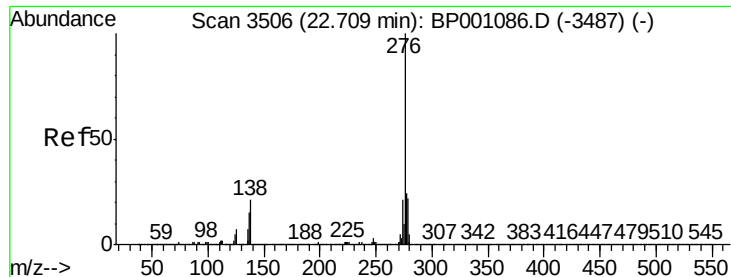
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.7	32.5
229	22.0	15.8	23.6



#83
Chrysene
Concen: 9.576 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.06 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	22.0	15.2	22.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.686 ng

RT: 22.64 min Scan# 3495

Delta R.T. -0.03 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

Instrument :

BNA_P

ClientSampleId :

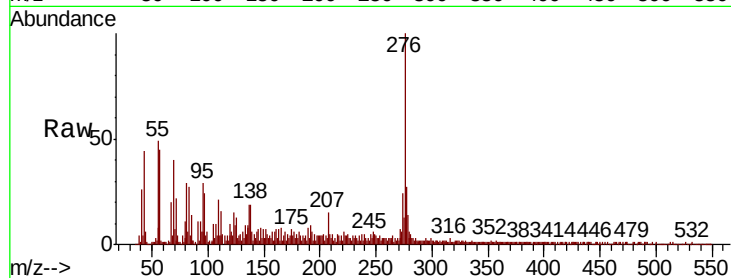
Tot Ion:276 Resp: 66948

Ion Ratio Lower Upper

276 100

138 18.8 17.9 26.9

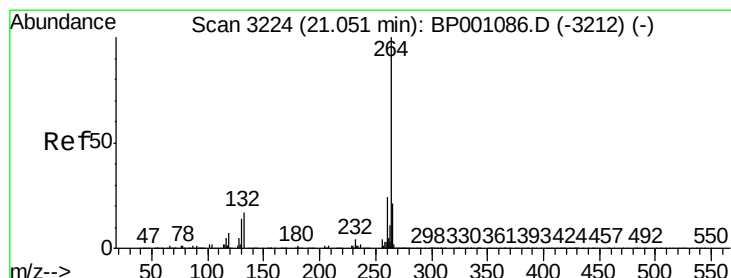
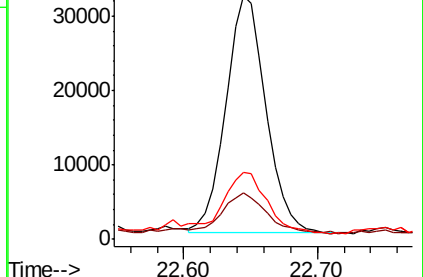
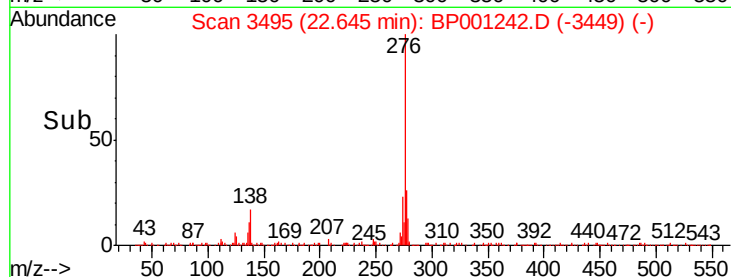
277 26.5 20.1 30.1



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: 21.02 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BP001242.D

Acq: 06 Dec 2019 21:21

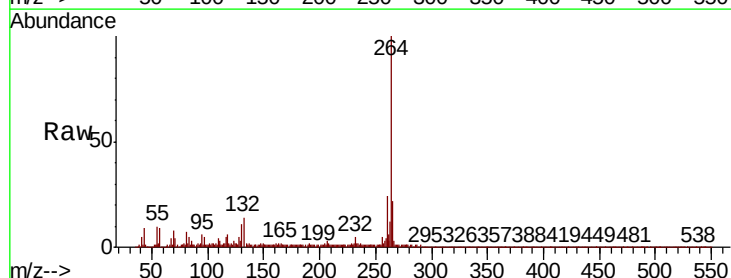
Tgt Ion:264 Resp: 263257

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

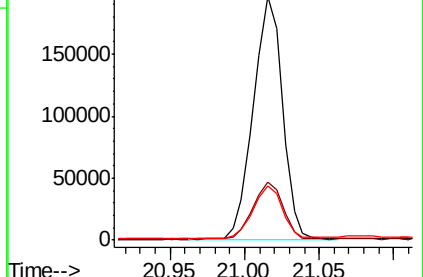
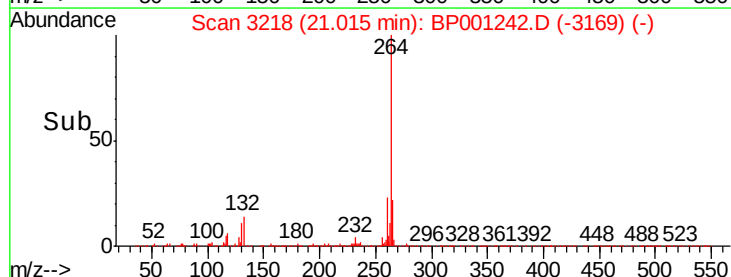
265 22.2 17.1 25.7

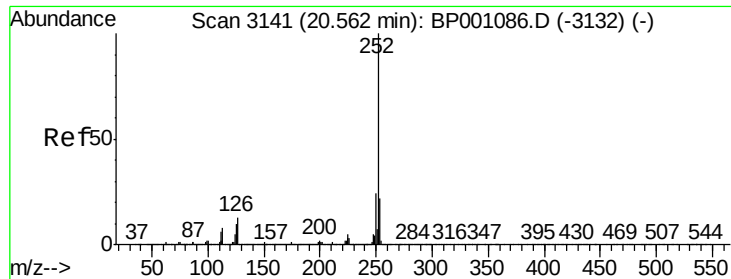


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

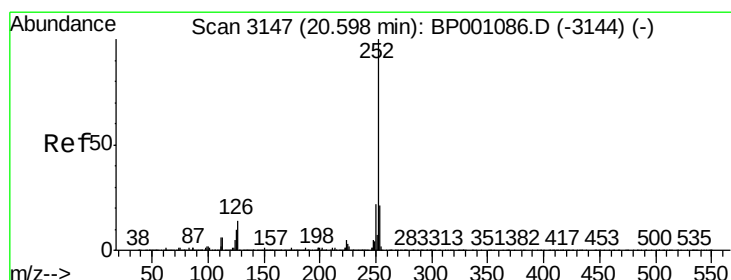
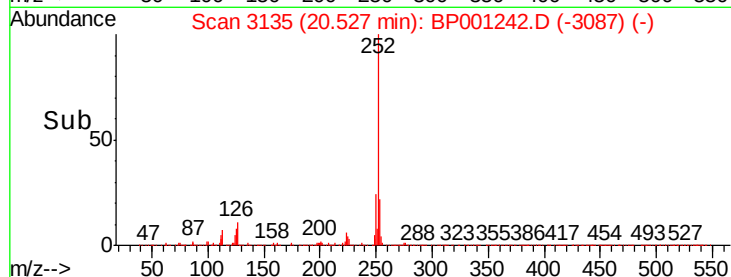
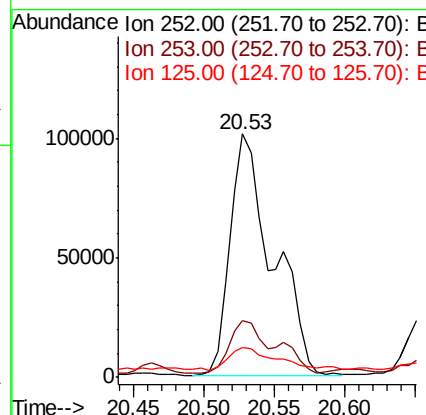
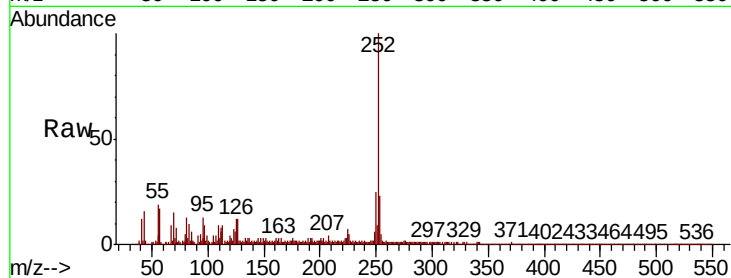




#88
Benzo(b)fluoranthene
Concen: 13.242 ng
RT: 20.53 min Scan# 3135
Delta R.T. -0.02 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

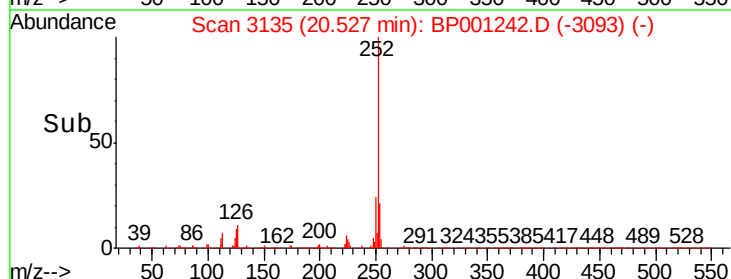
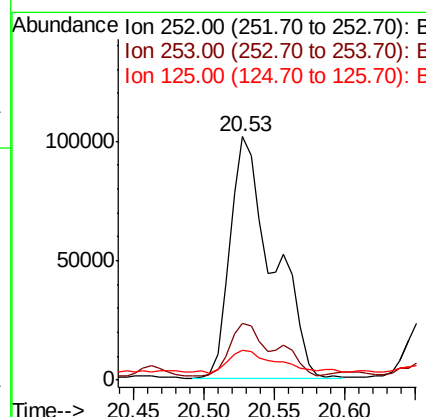
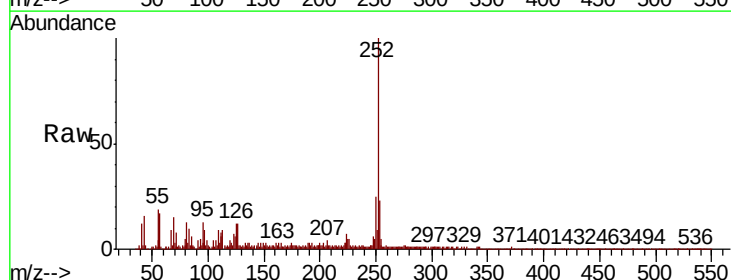
Instrument :
BNA_P
ClientSampleId :

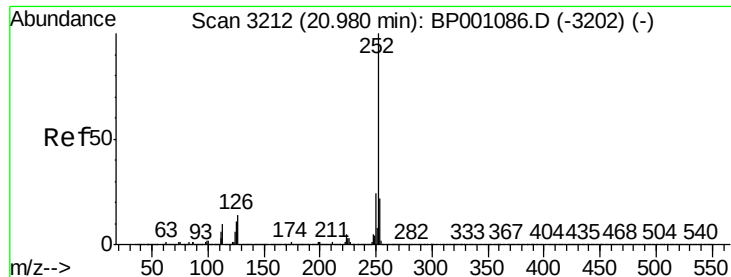
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	12.0	6.6	9.8#



#89
Benzo(k)fluoranthene
Concen: 13.749 ng
RT: 20.53 min Scan# 3135
Delta R.T. -0.05 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	12.0	6.2	9.4#

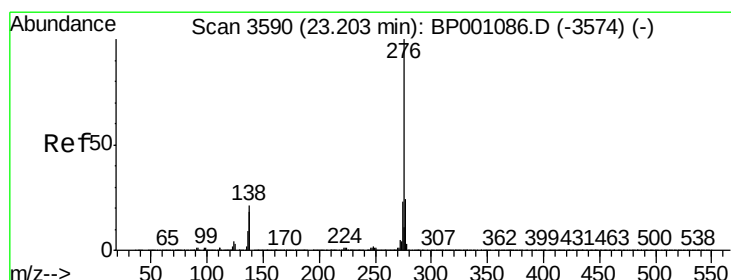
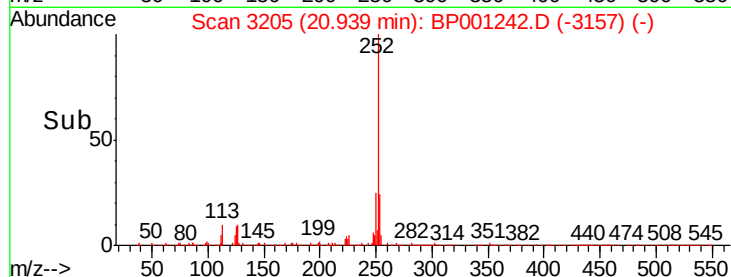
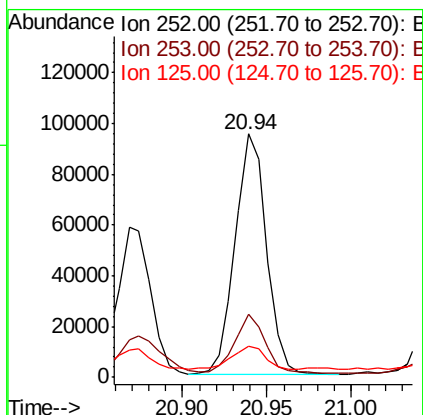
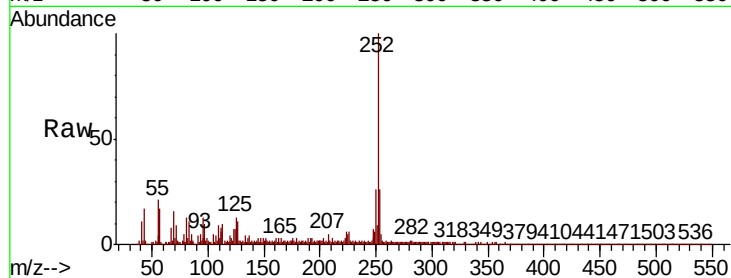




#90
Benzo(a)pyrene
Concen: 8.280 ng
RT: 20.94 min Scan# 3205
Delta R.T. -0.02 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	16.8	25.2#
125	12.5	7.8	11.6#



#92
Benzo(g,h,i)perylene
Concen: 4.399 ng
RT: 23.13 min Scan# 3578
Delta R.T. -0.04 min
Lab File: BP001242.D
Acq: 06 Dec 2019 21:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	19.8	15.6	23.4

