

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
 Data File : BP001531.D
 Acq On : 06 Jan 2020 15:58
 Operator : JU
 Sample : L1028-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jan 06 16:41:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 15:57:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	47616	20.00	ng	-0.02
21) Naphthalene-d8	10.46	136	177459	20.00	ng	-0.02
39) Acenaphthene-d10	14.32	164	122836	20.00	ng	-0.02
64) Phenanthrene-d10	17.08	188	262314	20.00	ng	-0.02
76) Chrysene-d12	21.18	240	236382	20.00	ng	-0.02
87) Perylene-d12	23.43	264	241371	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	233283	82.31	ng	0.01
7) Phenol-d6	6.89	99	339573	88.95	ng	0.02
23) Nitrobenzene-d5	8.83	82	237305	66.05	ng	-0.02
42) 2,4,6-Tribromophenol	15.82	330	151190	108.75	ng	-0.02
45) 2-Fluorobiphenyl	12.94	172	449326	53.79	ng	-0.03
79) Terphenyl-d14	19.66	244	647038	54.55	ng	-0.02

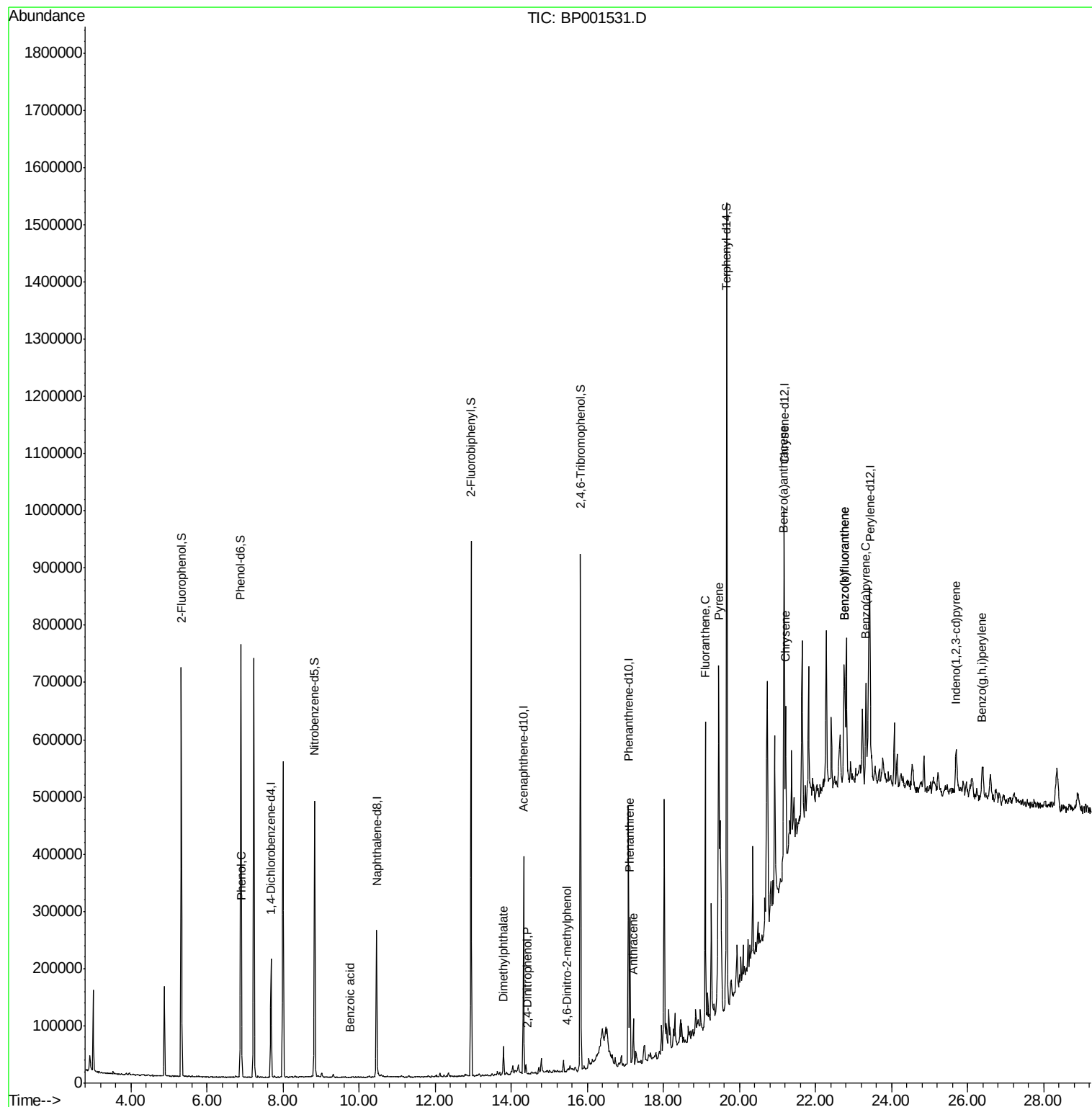
Target Compounds				Qvalue		
9) Benzaldehyde	6.83	77	159	Below Cal	#	55
10) Phenol	6.91	94	9454	2.354	ng	# 66
32) Benzoic acid	9.77	122	117	7.828	ng	# 31
50) Dimethylphthalate	13.79	163	28057	2.922	ng	# 99
54) 2,4-Dinitrophenol	14.42	184	12	6.463	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.46	198	23	5.890	ng	# 1
71) Phenanthrene	17.12	178	151988	10.683	ng	97
72) Anthracene	17.21	178	41272	2.927	ng	99
75) Fluoranthene	19.10	202	326269	18.944	ng	98
78) Pyrene	19.45	202	294804	17.187	ng	99
81) Benzo(a)anthracene	21.16	228	172564	10.404	ng	98
83) Chrysene	21.22	228	155880	9.802	ng	97
86) Indeno(1,2,3-cd)pyrene	25.70	276	82108	4.242	ng	# 90
88) Benzo(b)fluoranthene	22.76	252	183956	12.309	ng	# 94
89) Benzo(k)fluoranthene	22.76	252	183956	12.850	ng	95
90) Benzo(a)pyrene	23.33	252	124762	8.918	ng	# 94
92) Benzo(a,h,i)perylene	26.39	276	78616	5.669	ng	# 93

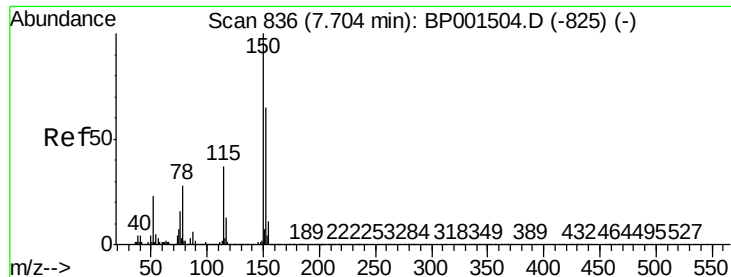
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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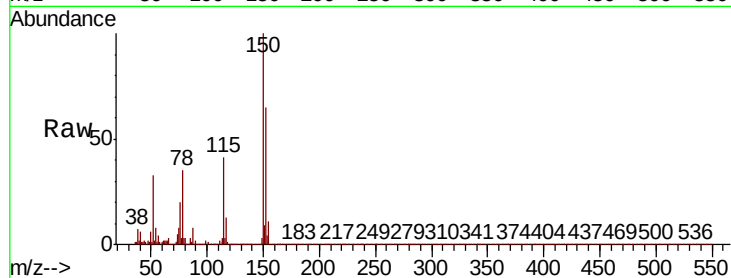


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 832
Delta R.T. -0.02 min
Lab File: BP001531.D
Acq: 06 Jan 2020 15:58

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.6	185.4
115	63.4	45.8	68.6

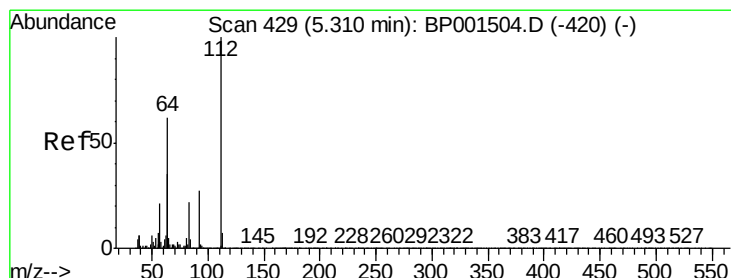
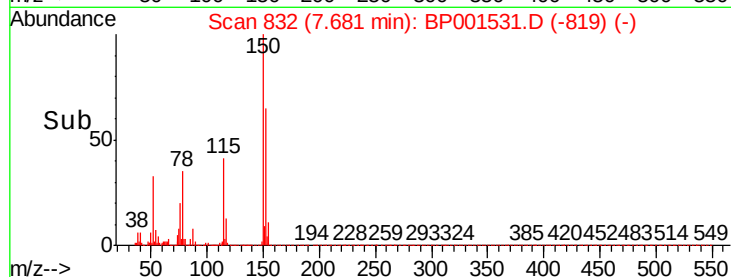
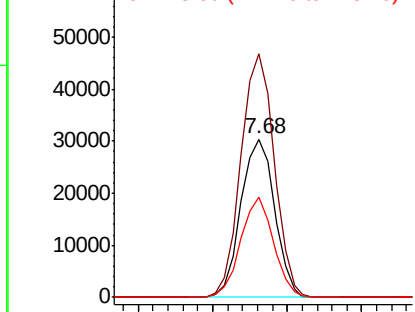


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

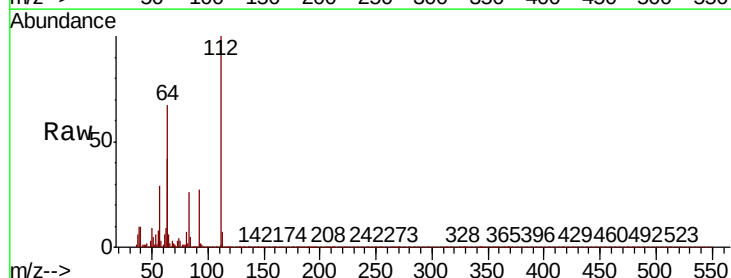
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 82.308 ng
RT: 5.32 min Scan# 431
Delta R.T. 0.01 min
Lab File: BP001531.D
Acq: 06 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	49.7	74.5
63	42.2	28.1	42.1

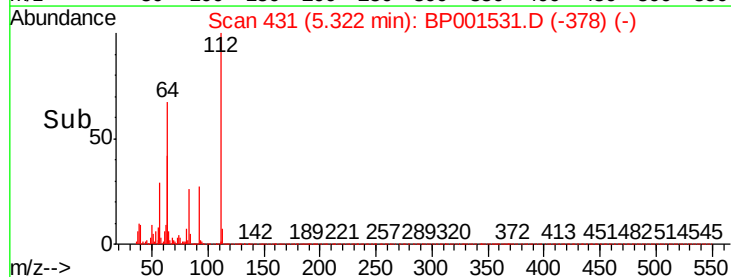
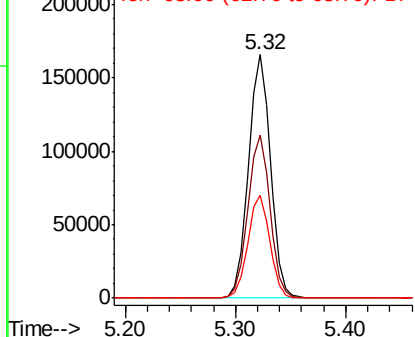


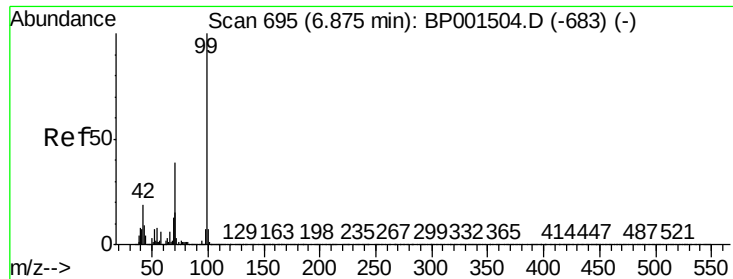
Abundance

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: 88.951 ng

RT: 6.89 min Scan# 698

Delta R.T. 0.02 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

Instrument :

BNA_P

ClientSampled :

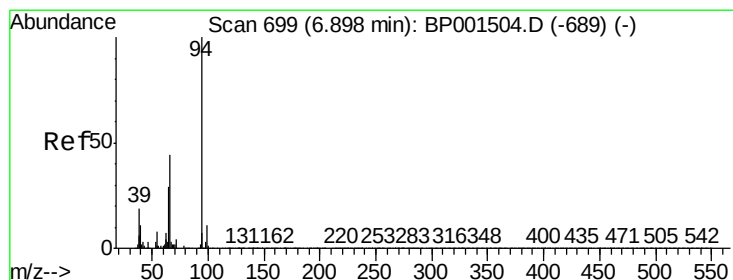
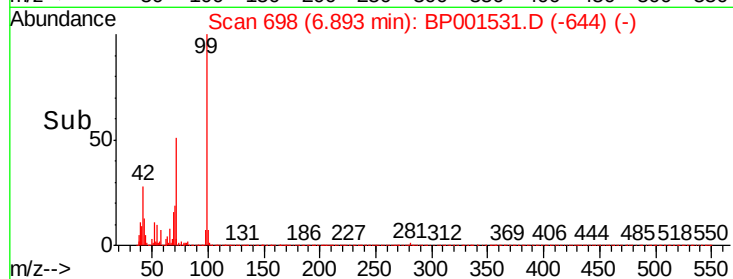
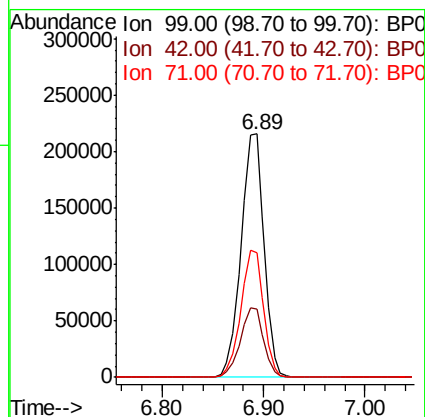
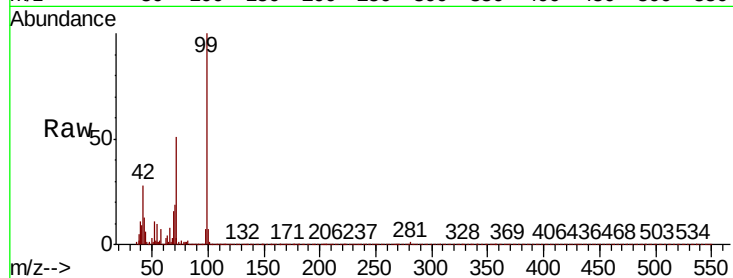
Tot Ion: 99 Resp: 339573

Ion Ratio Lower Upper

99 100

42 28.2 15.3 22.9#

71 50.9 30.9 46.3#



#10

Phenol

Concen: 2.354 ng

RT: 6.91 min Scan# 701

Delta R.T. 0.01 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

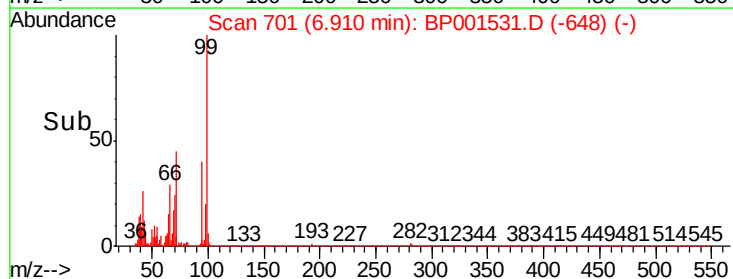
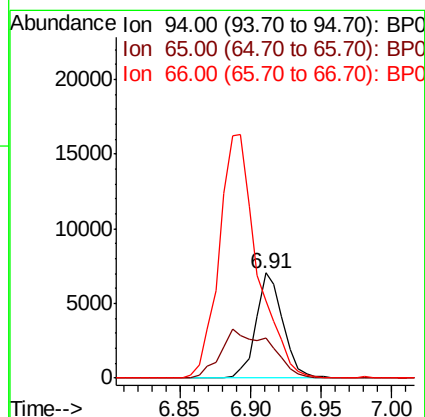
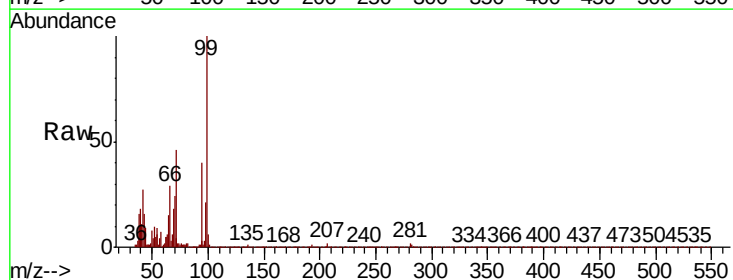
Tgt Ion: 94 Resp: 9454

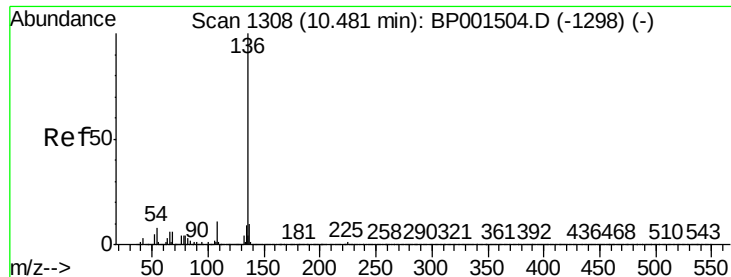
Ion Ratio Lower Upper

94 100

65 38.2 9.2 49.2

66 73.3 23.8 63.8#

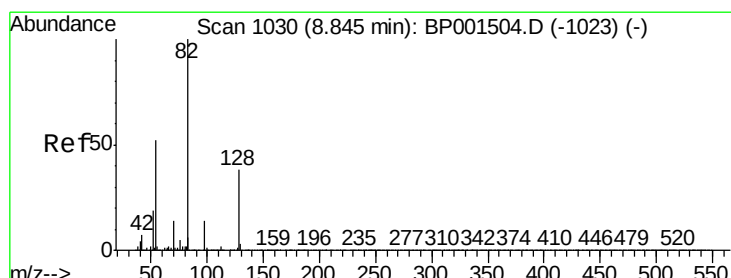
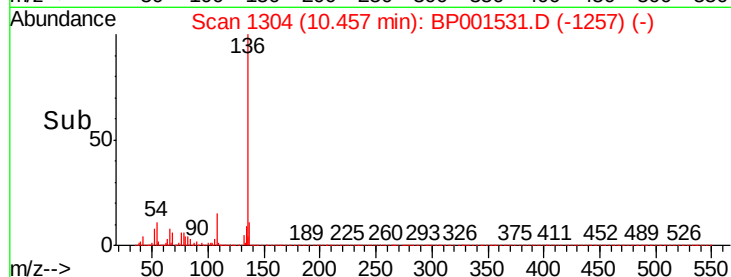
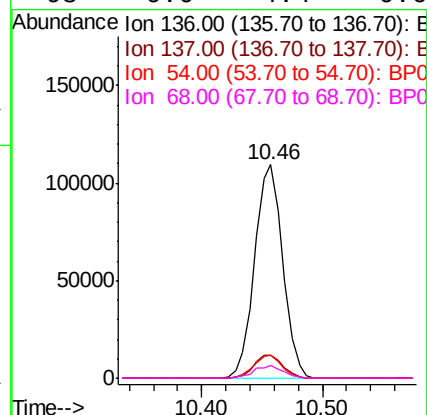
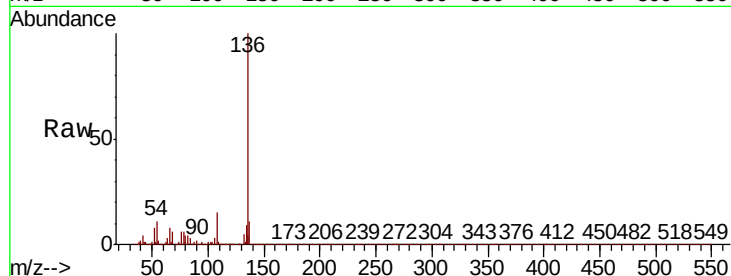




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BP001531.D
Acq: 06 Jan 2020 15:58

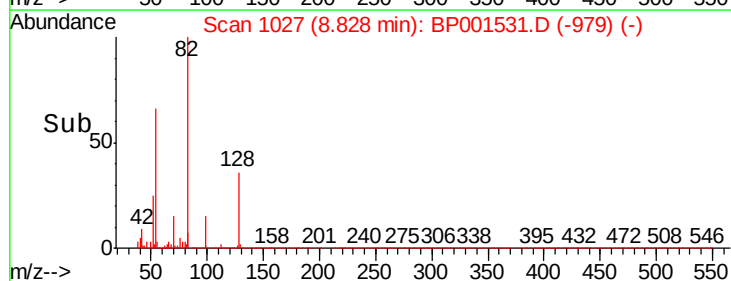
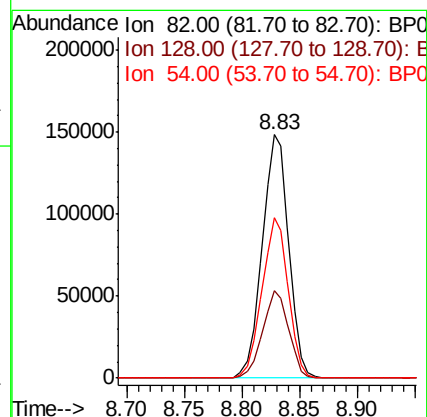
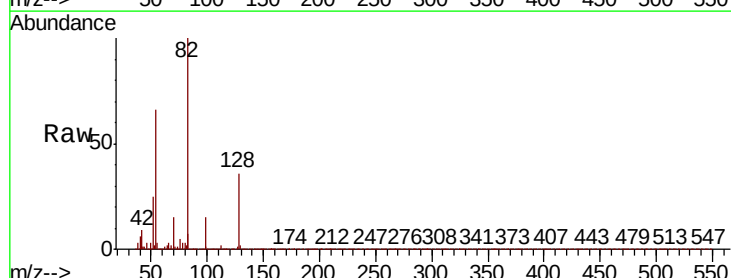
Instrument :
BNA_P
ClientSampleId :

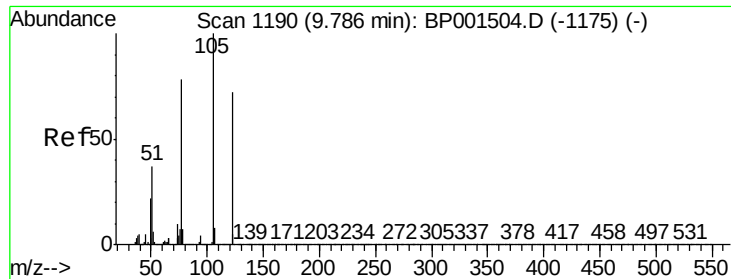
Tot Ion:136	Resp:	177459
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.3	12.5
54 10.6	6.7	10.1#
68 6.0	4.4	6.6



#23
Nitrobenzene-d5
Concen: 66.049 ng
RT: 8.83 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BP001531.D
Acq: 06 Jan 2020 15:58

Tgt Ion: 82	Resp:	237305
Ion Ratio	Lower	Upper
82 100		
128 35.9	30.1	45.1
54 66.1	41.8	62.6#

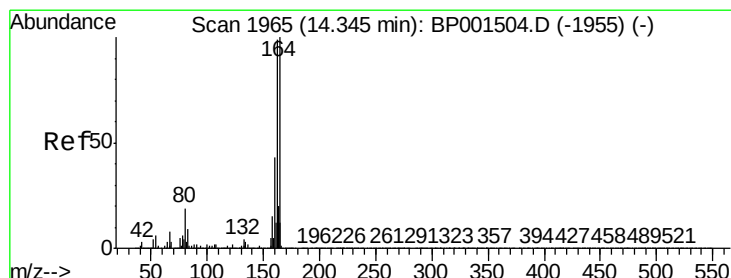
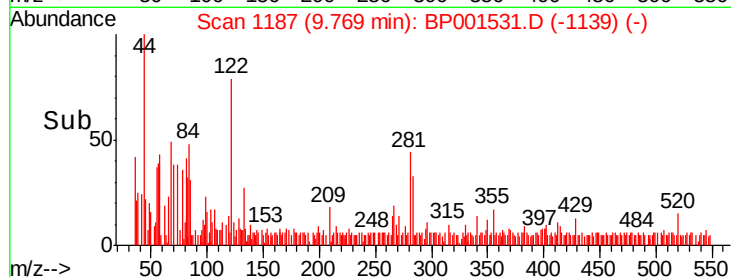
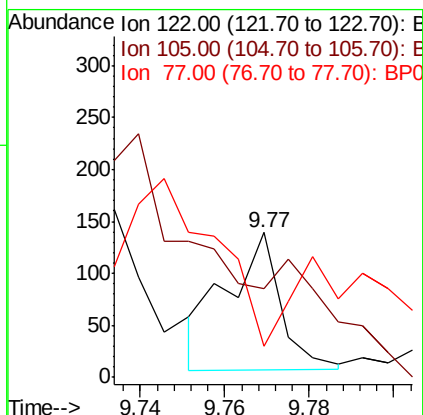
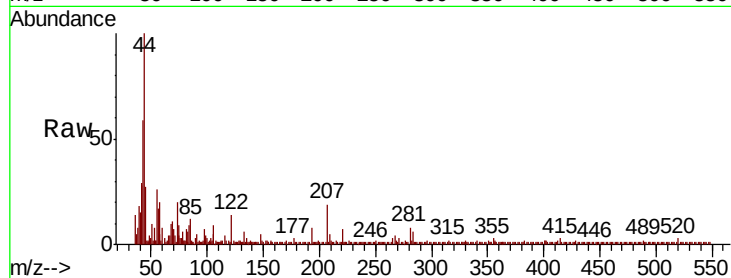




#32
Benzoic acid
Concen: 7.828 ng
RT: 9.77 min Scan# 1187
Delta R.T. -0.02 min
Lab File: BP001531.D
Acq: 06 Jan 2020 15:58

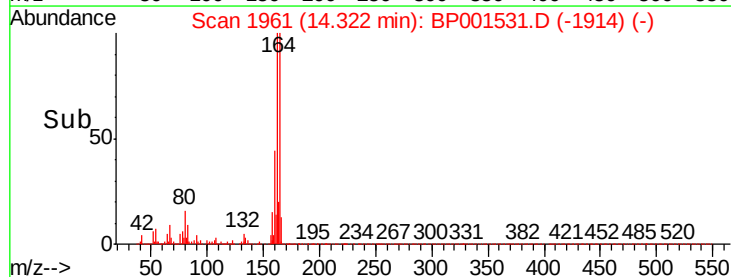
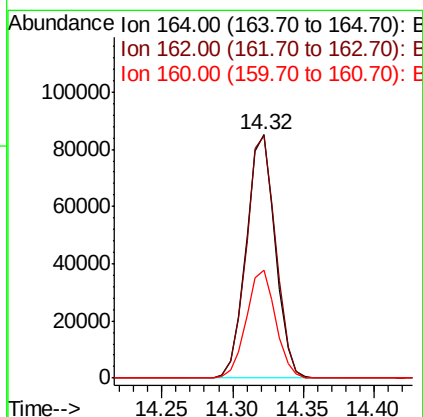
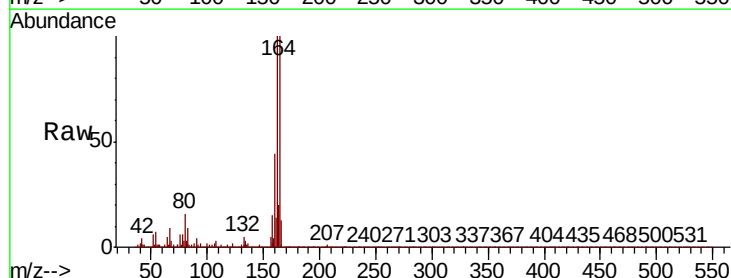
Instrument :
BNA_P
ClientSampleId :

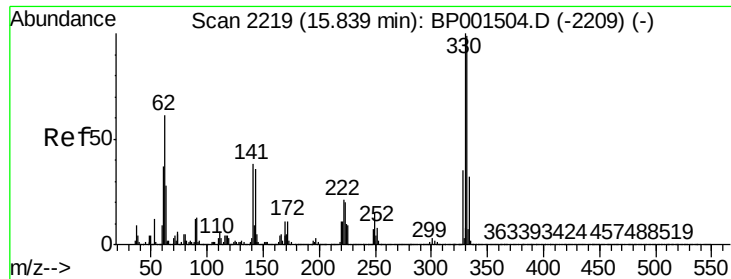
Tot Ion	Ratio	Lower	Upper
122	100		
105	61.9	111.1	151.1#
77	21.6	85.9	125.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1961
Delta R.T. -0.02 min
Lab File: BP001531.D
Acq: 06 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.2	118.8
160	44.3	34.6	52.0

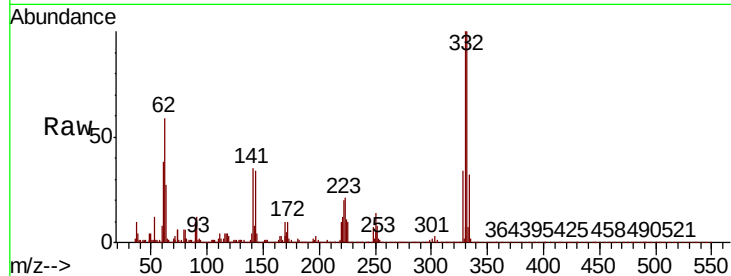




#42
 2,4,6-Tribromophenol
 Concen: 108.752 ng
 RT: 15.82 min Scan# 2216
 Delta R.T. -0.02 min
 Lab File: BP001531.D
 Acq: 06 Jan 2020 15:58

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.2	117.2
141	36.7	30.3	45.5

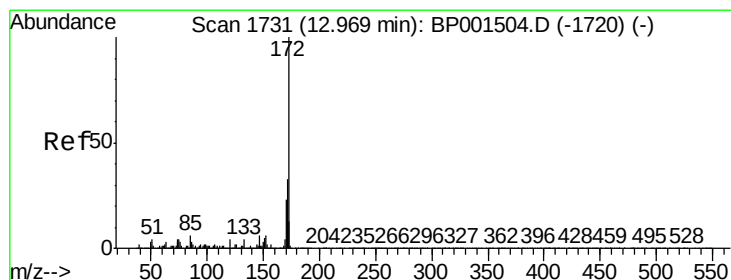
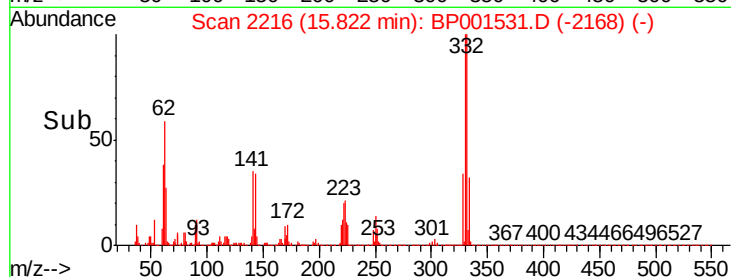
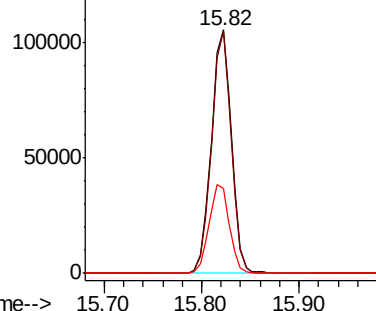


Abundance

Ion 329.80 (329.50 to 330.50): E

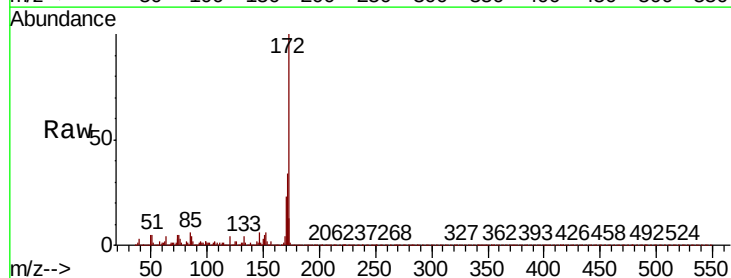
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 53.786 ng
 RT: 12.94 min Scan# 1726
 Delta R.T. -0.03 min
 Lab File: BP001531.D
 Acq: 06 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	26.7	40.1
170	23.0	18.7	28.1

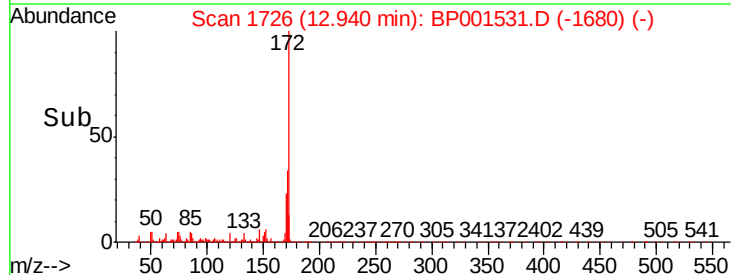
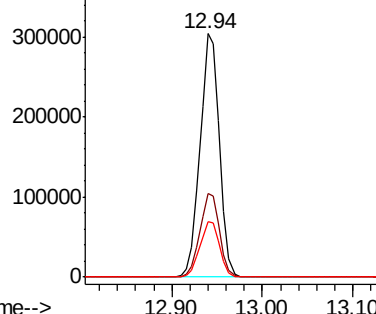


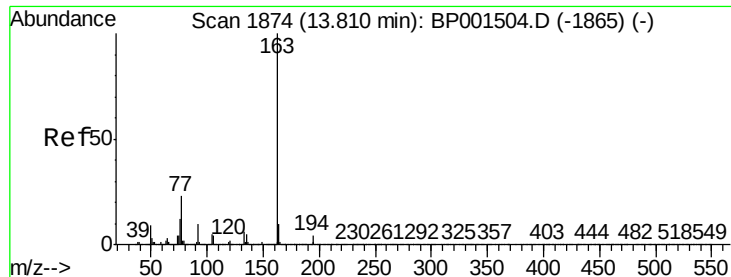
Abundance

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: 2.922 ng

RT: 13.79 min Scan# 1871

Delta R.T. -0.02 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

Instrument :

BNA_P

ClientSampled :

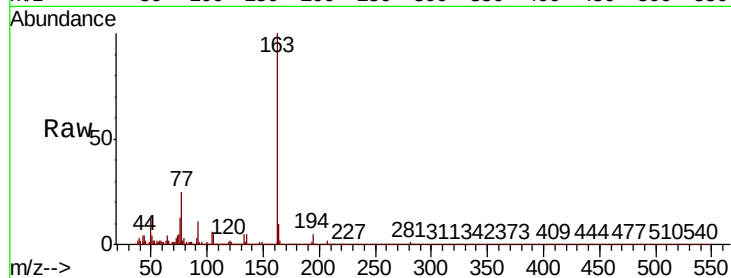
Tot Ion:163 Resp: 28057

Ion Ratio Lower Upper

163 100

194 5.3 3.4 5.0#

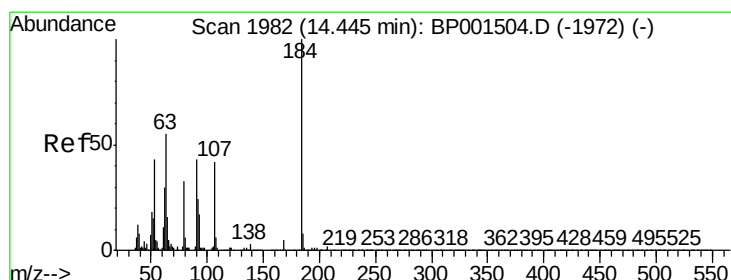
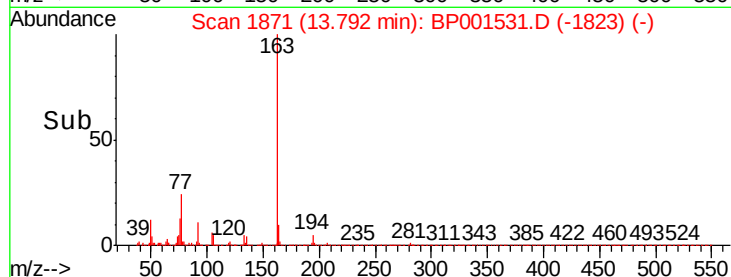
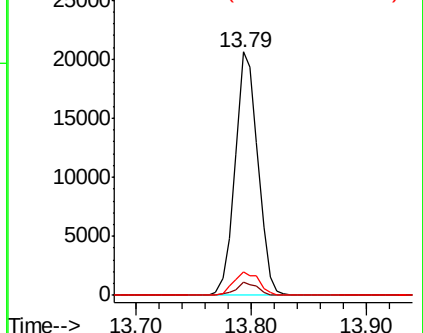
164 9.9 8.1 12.1



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: 6.463 ng

RT: 14.42 min Scan# 1977

Delta R.T. -0.03 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

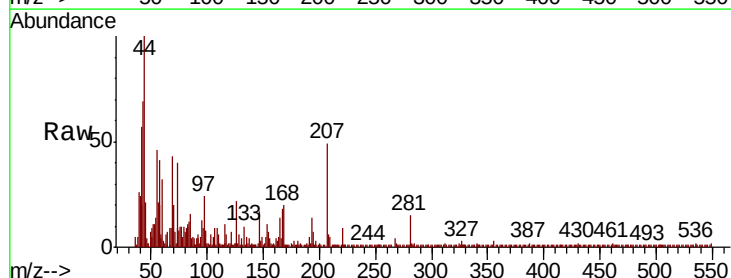
Tgt Ion:184 Resp: 12

Ion Ratio Lower Upper

184 100

63 618.2 50.0 75.0#

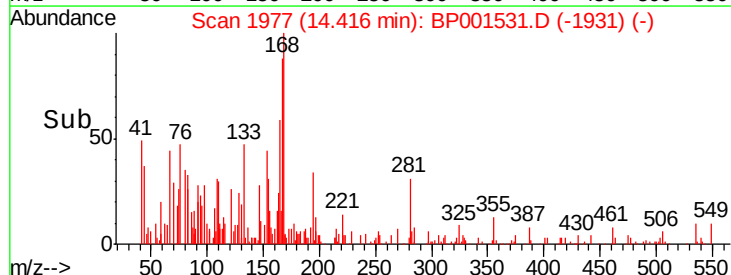
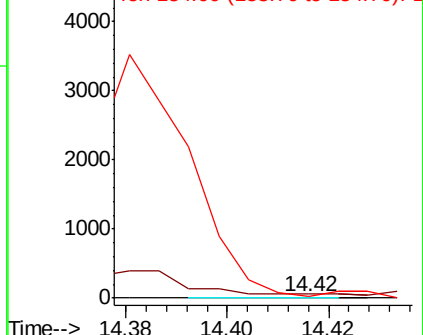
154 172.7 49.2 73.8#

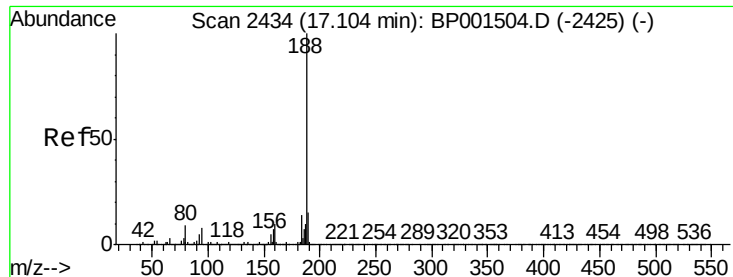


Abundance Ion 184.00 (183.70 to 184.70): E

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: 17.08 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

Instrument :

BNA_P

ClientSampled :

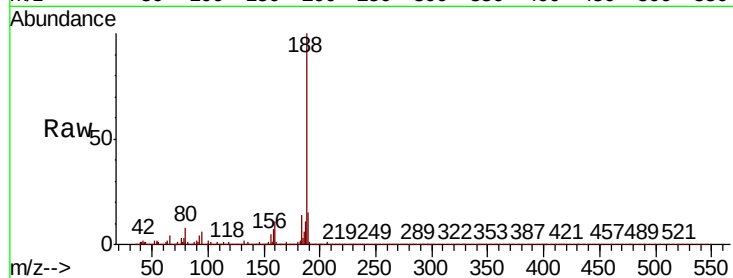
Tot Ion:188 Resp: 262314

Ion Ratio Lower Upper

188 100

94 6.4 6.5 9.7#

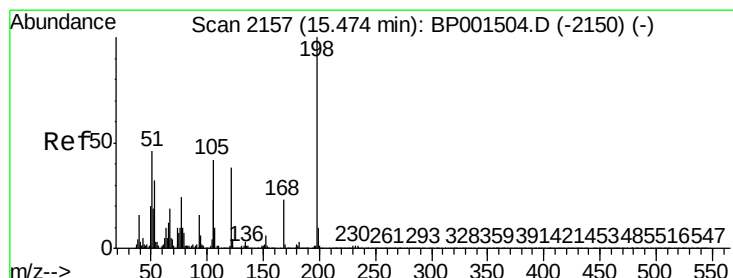
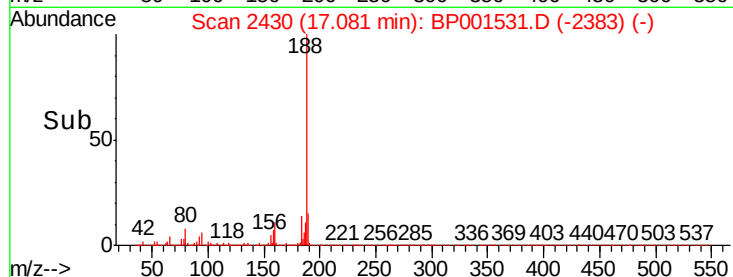
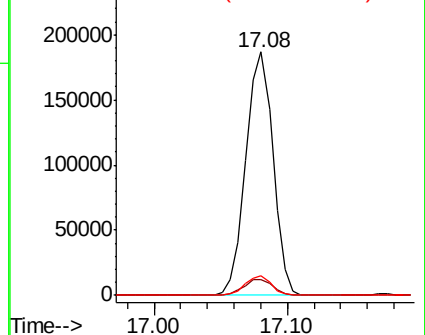
80 8.0 7.3 10.9



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: 5.890 ng

RT: 15.46 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

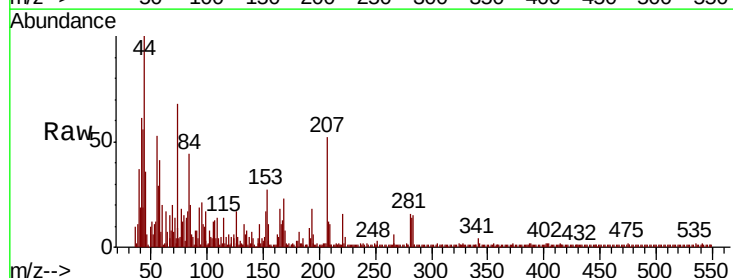
Tgt Ion:198 Resp: 23

Ion Ratio Lower Upper

198 100

51 616.7 26.9 66.9#

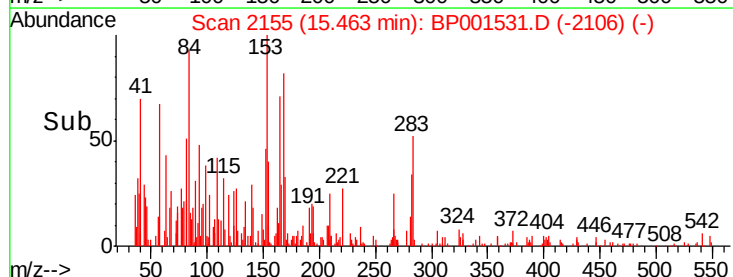
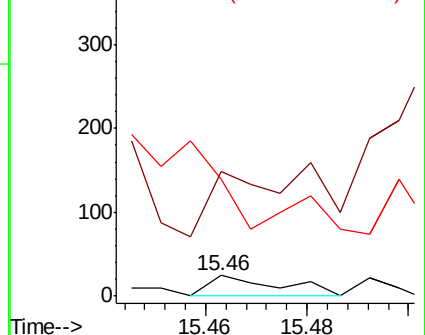
105 583.3 22.5 62.5#

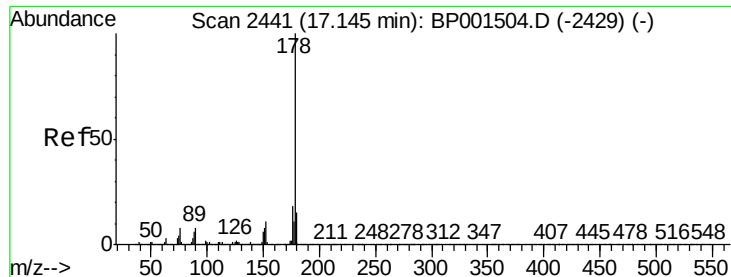


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 10.683 ng

RT: 17.12 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

Instrument :

BNA_P

ClientSampleId :

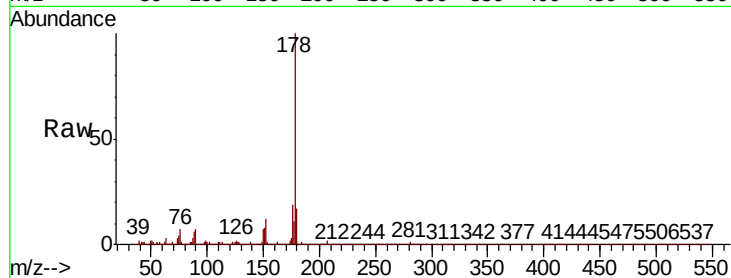
Tot Ion:178 Resp: 151988

Ion Ratio Lower Upper

178 100

176 19.0 14.6 22.0

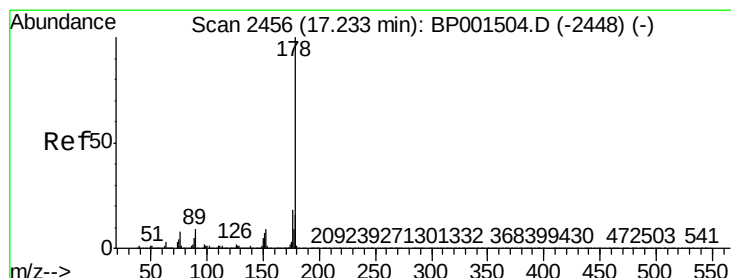
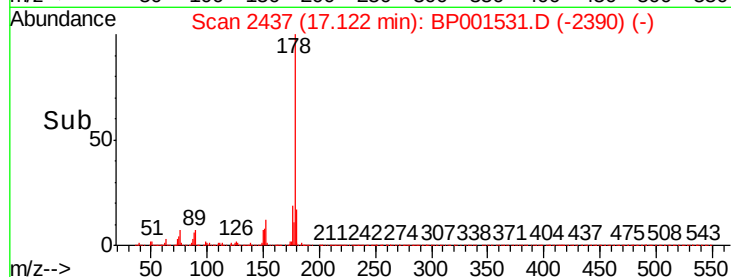
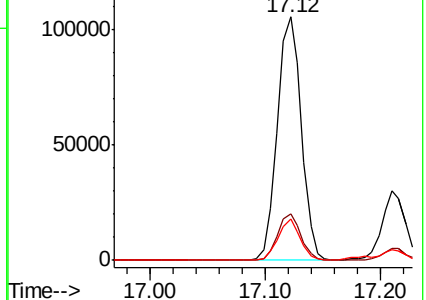
179 17.1 12.3 18.5



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: 2.927 ng

RT: 17.21 min Scan# 2452

Delta R.T. -0.02 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

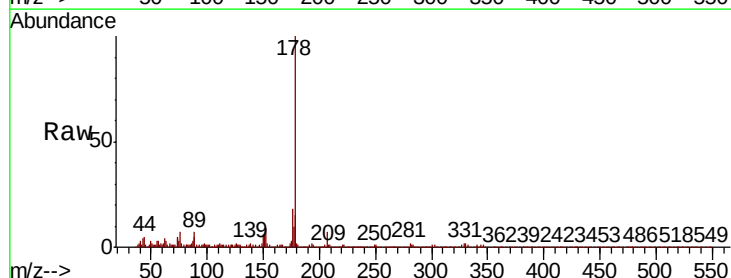
Tgt Ion:178 Resp: 41272

Ion Ratio Lower Upper

178 100

176 17.9 14.4 21.6

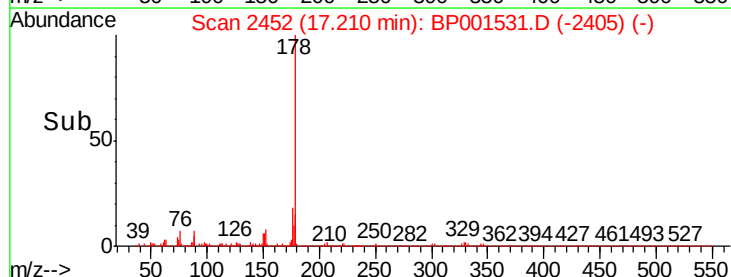
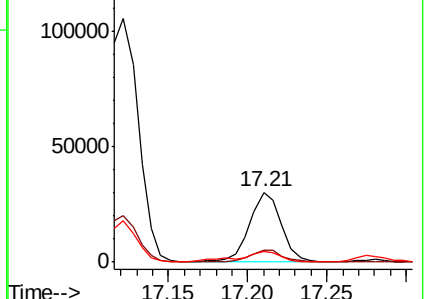
179 15.1 12.5 18.7

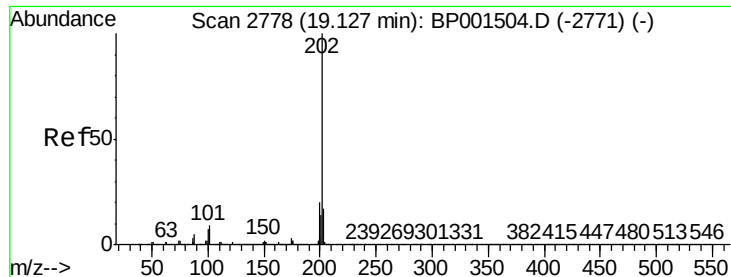


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 18.944 ng

RT: 19.10 min Scan# 2773

Delta R.T. -0.03 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

Instrument :

BNA_P

ClientSampleId :

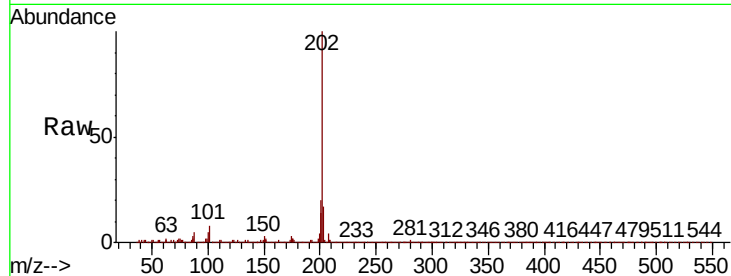
Tot Ion:202 Resp: 326269

Ion Ratio Lower Upper

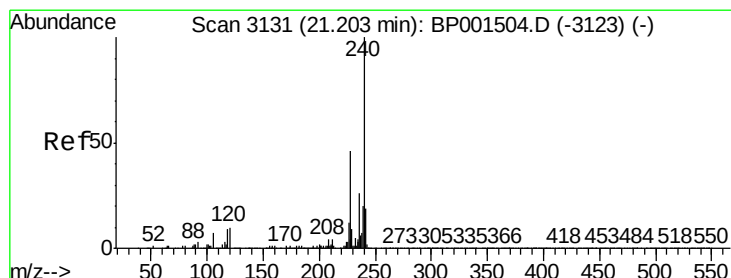
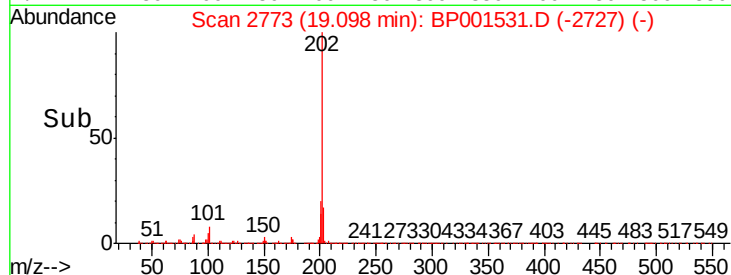
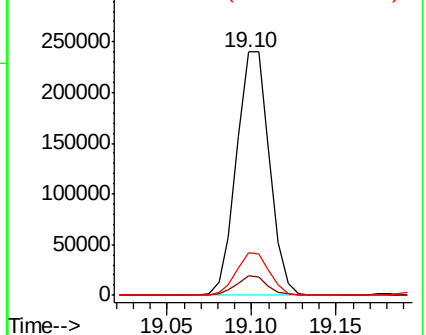
202 100

101 8.0 0.0 29.3

203 17.4 0.0 36.7



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: 21.18 min Scan# 3127

Delta R.T. -0.02 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

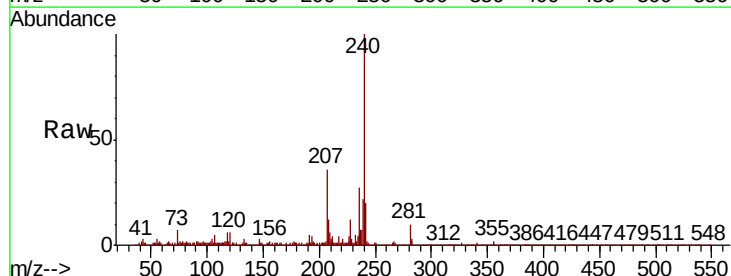
Tgt Ion:240 Resp: 236382

Ion Ratio Lower Upper

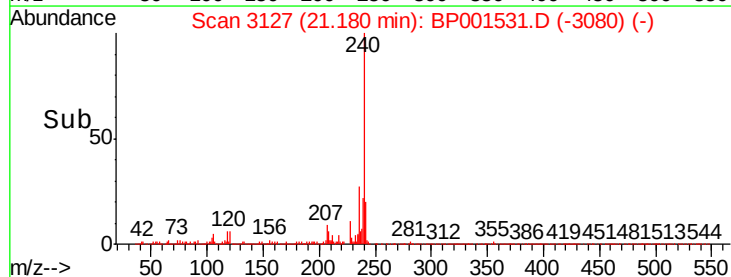
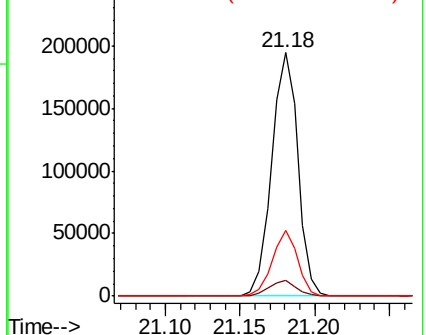
240 100

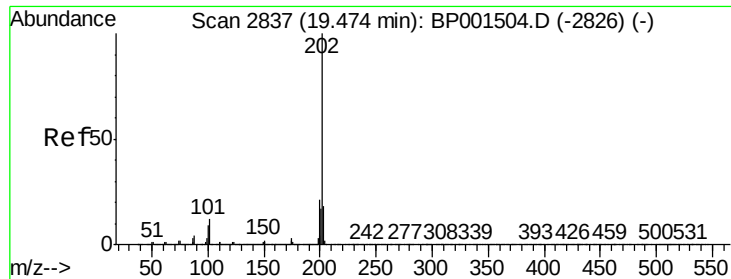
120 6.3 8.1 12.1#

236 26.8 20.9 31.3



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

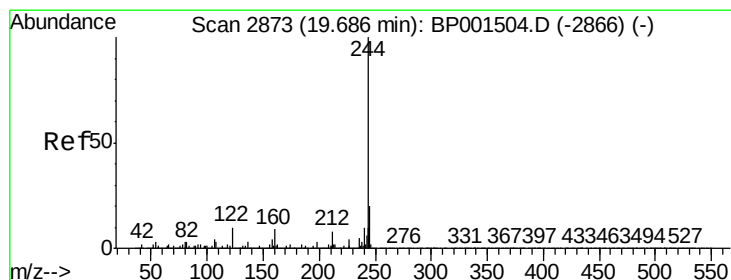
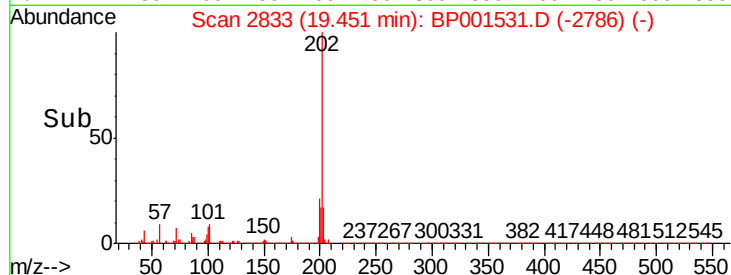
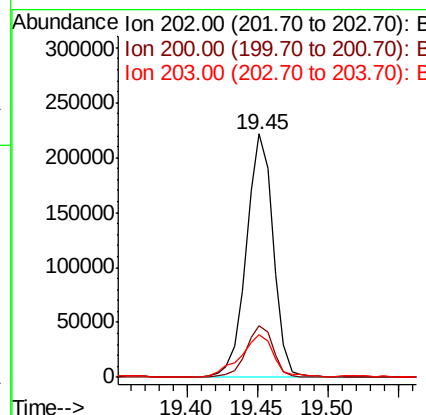
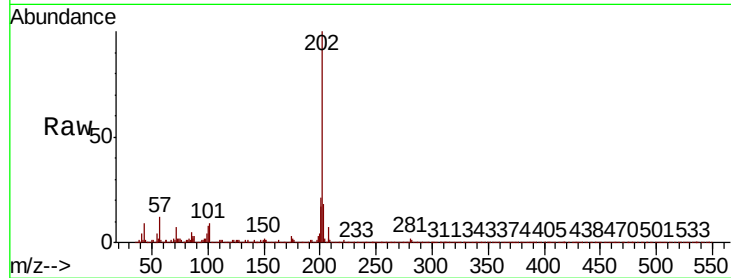




#78
Pvrene
Concen: 17.187 ng
RT: 19.45 min Scan# 2833
Delta R.T. -0.02 min
Lab File: BP001531.D
Acq: 06 Jan 2020 15:58

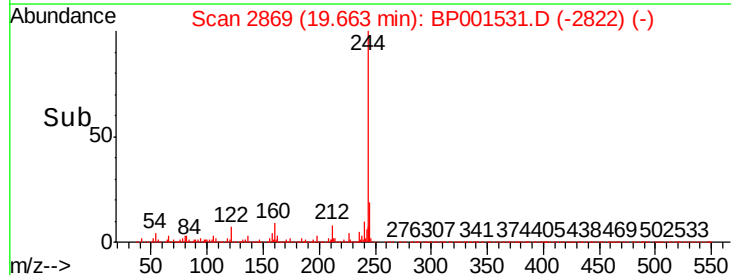
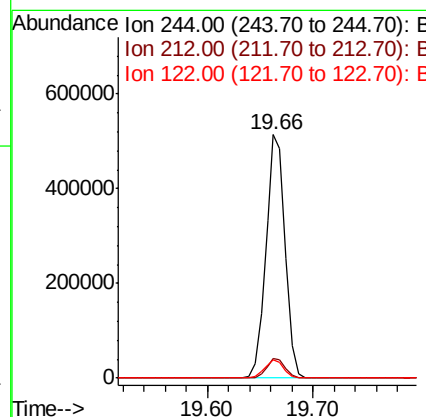
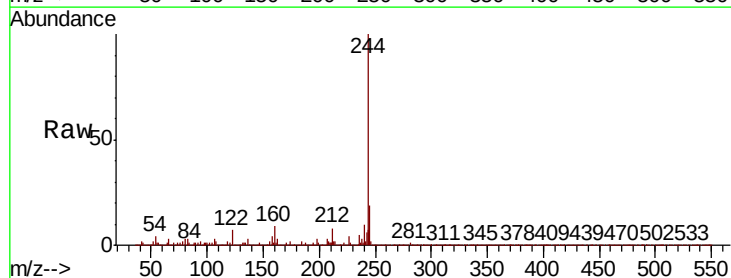
Instrument :
BNA_P
ClientSampled :

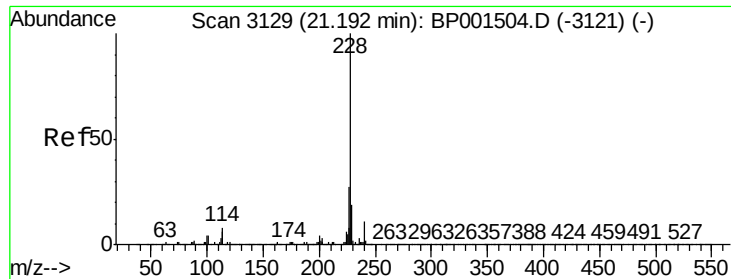
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.4	24.6
203	17.6	14.2	21.2



#79
Terphenyl-d14
Concen: 54.550 ng
RT: 19.66 min Scan# 2869
Delta R.T. -0.02 min
Lab File: BP001531.D
Acq: 06 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.6	9.8
122	7.4	7.8	11.6





#81

Benzo(a)anthracene

Concen: 10.404 ng

RT: 21.16 min Scan# 3124

Delta R.T. -0.03 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

Instrument :

BNA_P

ClientSampleId :

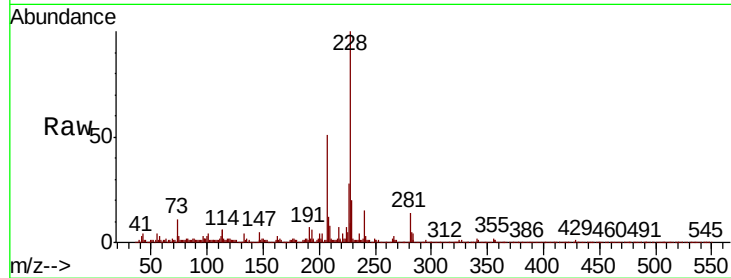
Tot Ion:228 Resp: 172564

Ion Ratio Lower Upper

228 100

226 27.6 21.5 32.3

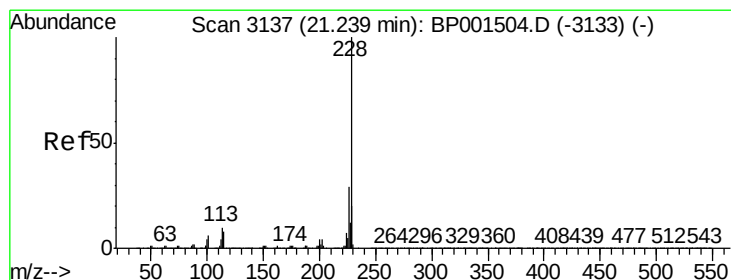
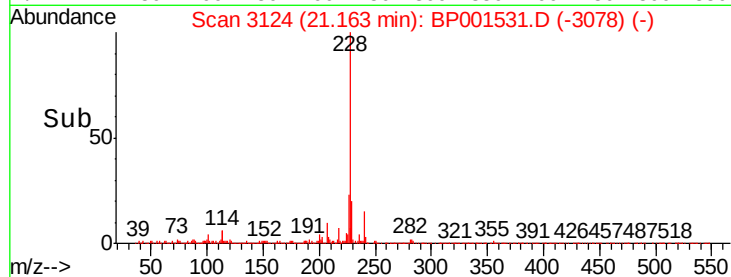
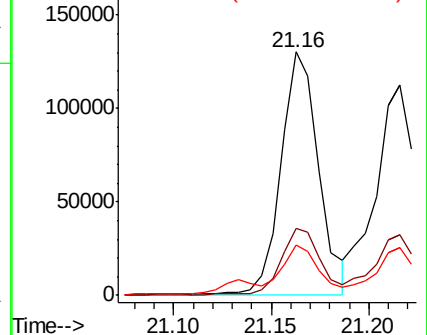
229 20.5 15.4 23.2



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



#83

Chrysene

Concen: 9.802 ng

RT: 21.22 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

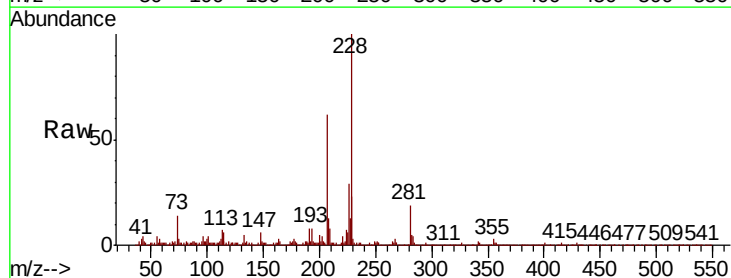
Tgt Ion:228 Resp: 155880

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.6

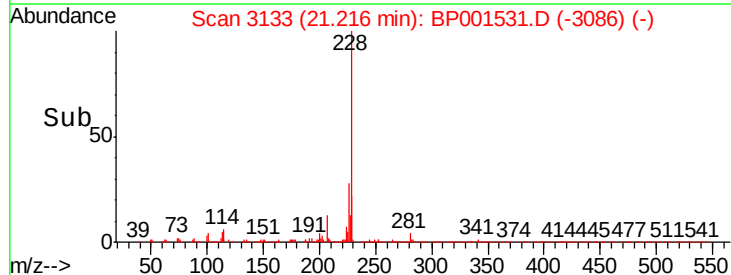
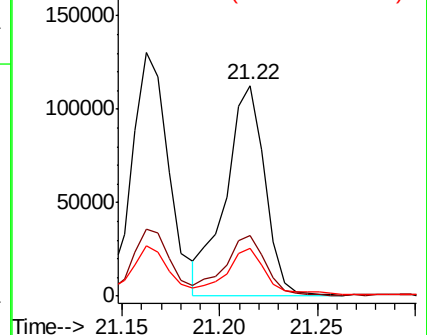
229 22.8 15.7 23.5

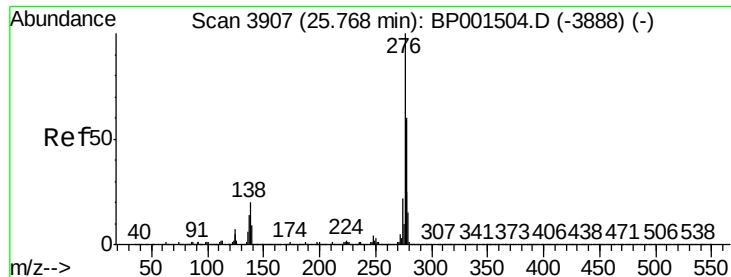


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.242 ng

RT: 25.70 min Scan# 3895

Delta R.T. -0.07 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

Instrument :

BNA_P

ClientSampleId :

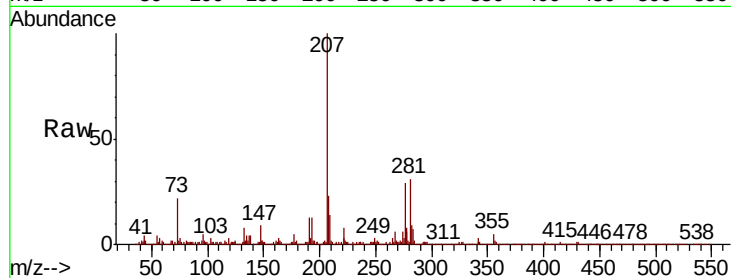
Tot Ion:276 Resp: 82108

Ion Ratio Lower Upper

276 100

138 12.3 17.8 26.8#

277 25.3 20.0 30.0

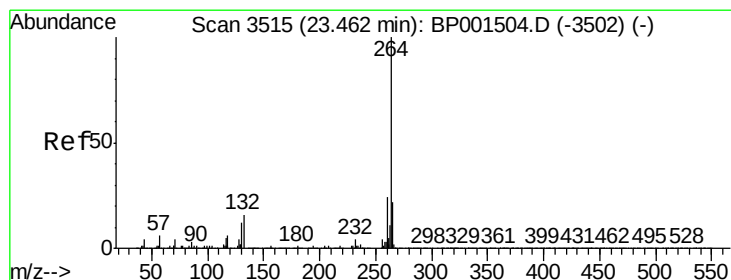
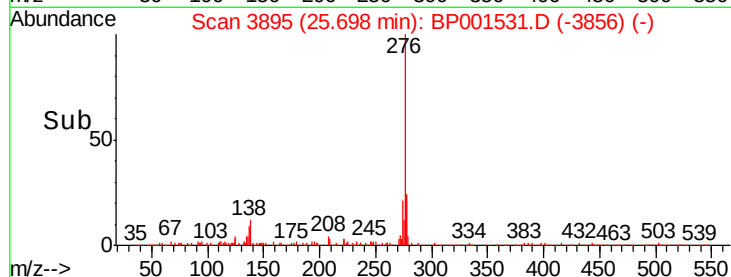
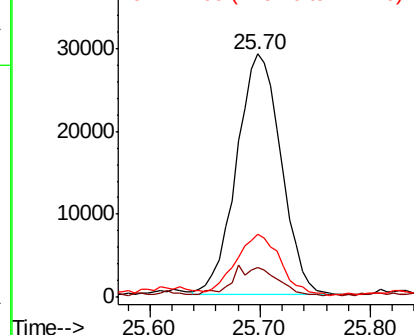


Abundance

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: 23.43 min Scan# 3509

Delta R.T. -0.03 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

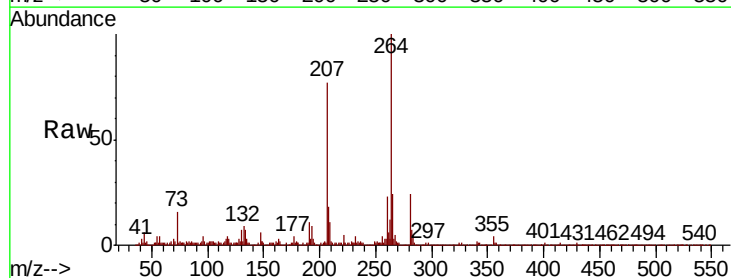
Tgt Ion:264 Resp: 241371

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 24.4 17.2 25.8

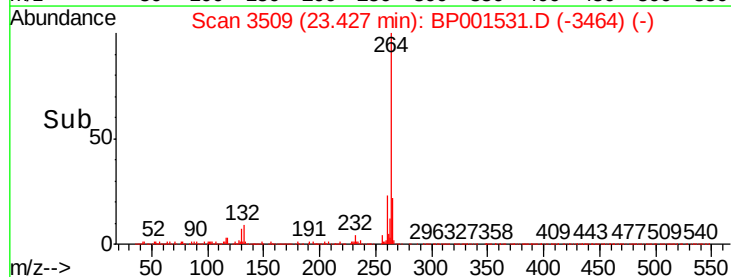
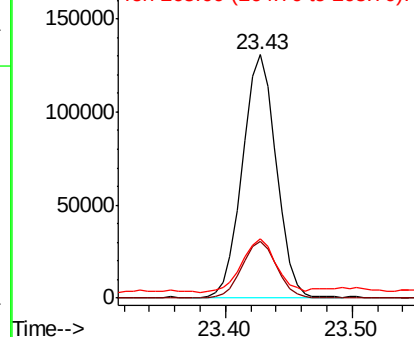


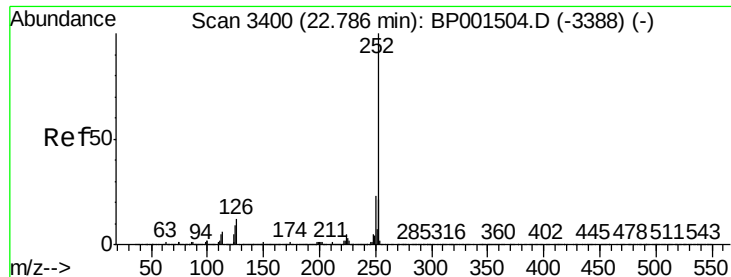
Abundance

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: 12.309 ng

RT: 22.76 min Scan# 3395

Delta R.T. -0.03 min

Lab File: BP001531.D

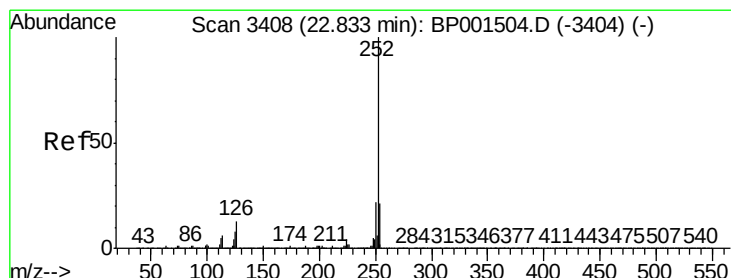
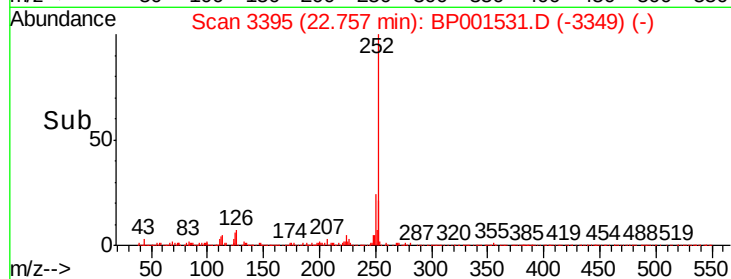
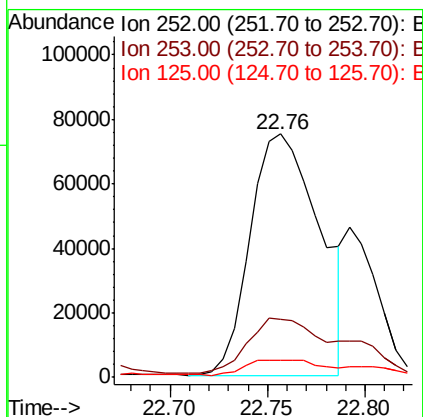
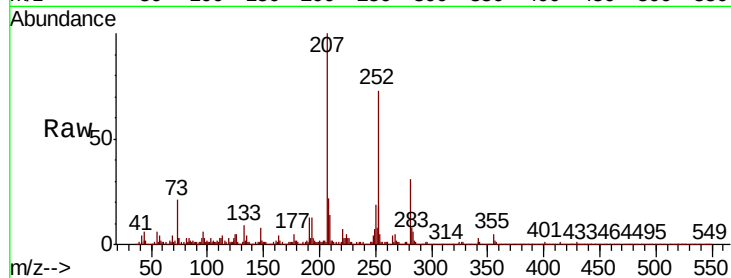
Acq: 06 Jan 2020 15:58

Instrument :

BNA_P

ClientSampleId :

Tot Ion:252	Resp:	183956
Ion Ratio	Lower	Upper
252	100	
253	24.0	17.0 25.6
125	7.1	7.2 10.8#



#89

Benzo(k)fluoranthene

Concen: 12.850 ng

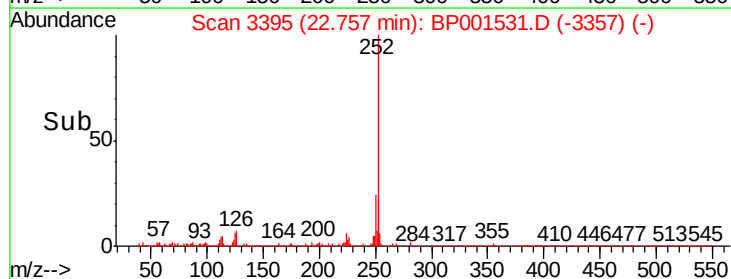
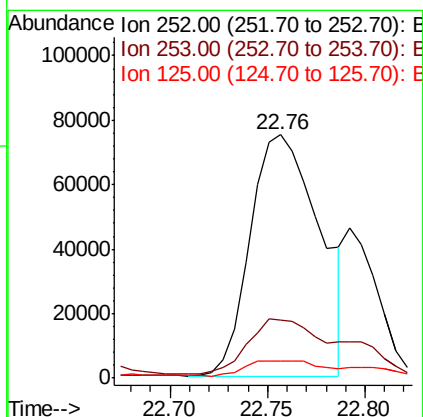
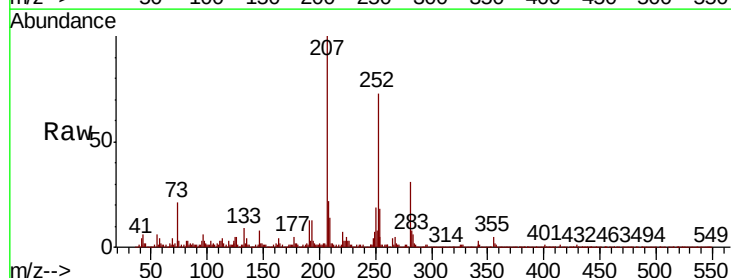
RT: 22.76 min Scan# 3395

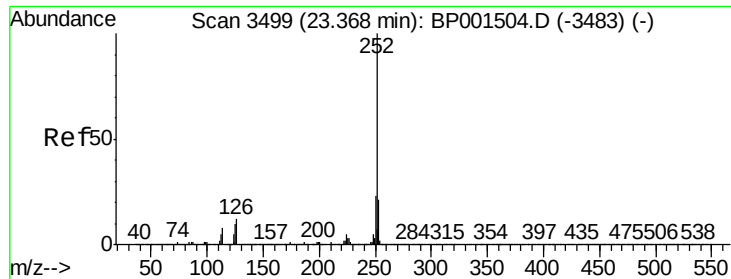
Delta R.T. -0.08 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

Tgt Ion:252	Resp:	183956
Ion Ratio	Lower	Upper
252	100	
253	24.0	17.0 25.6
125	7.1	6.6 10.0





#90

Benzo(a)pyrene

Concen: 8.918 ng

RT: 23.33 min Scan# 3492

Delta R.T. -0.04 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

Instrument :

BNA_P

ClientSampleId :

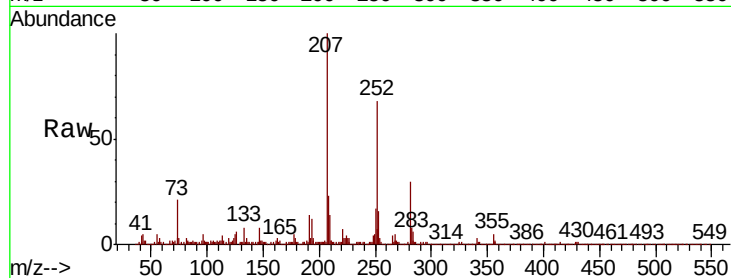
Tot Ion:252 Resp: 124762

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

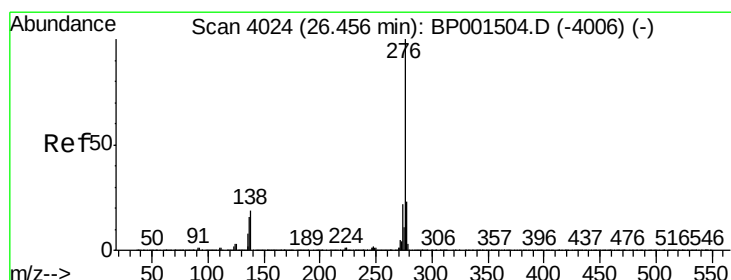
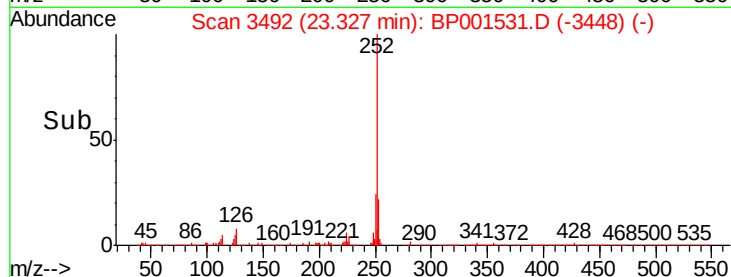
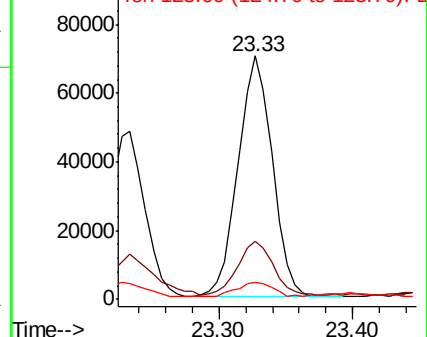
125 6.8 7.7 11.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.669 ng

RT: 26.39 min Scan# 4012

Delta R.T. -0.07 min

Lab File: BP001531.D

Acq: 06 Jan 2020 15:58

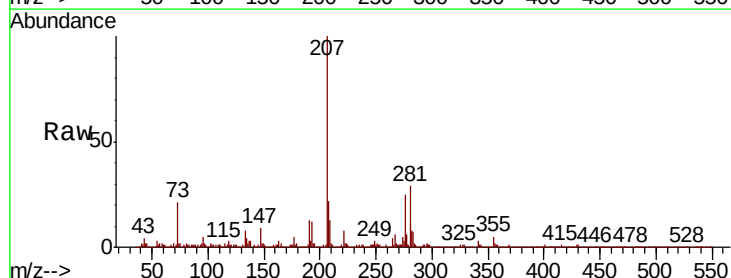
Tgt Ion:276 Resp: 78616

Ion Ratio Lower Upper

276 100

277 22.7 18.7 28.1

138 12.1 15.0 22.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

