

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
 Data File : BP001533.D
 Acq On : 06 Jan 2020 17:05
 Operator : JU
 Sample : K6463-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jan 06 18:16:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 06 16:38:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	53881	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	207983	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	137056	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	282969	20.00	ng	0.00
76) Chrysene-d12	21.18	240	223957	20.00	ng	0.00
87) Perylene-d12	23.43	264	233792	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	302673	94.37	ng	0.00
7) Phenol-d6	6.89	99	444859	102.98	ng	0.00
23) Nitrobenzene-d5	8.83	82	305927	72.65	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	181319	116.89	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	622613	66.80	ng	0.00
79) Terphenyl-d14	19.67	244	796598	70.89	ng	0.00

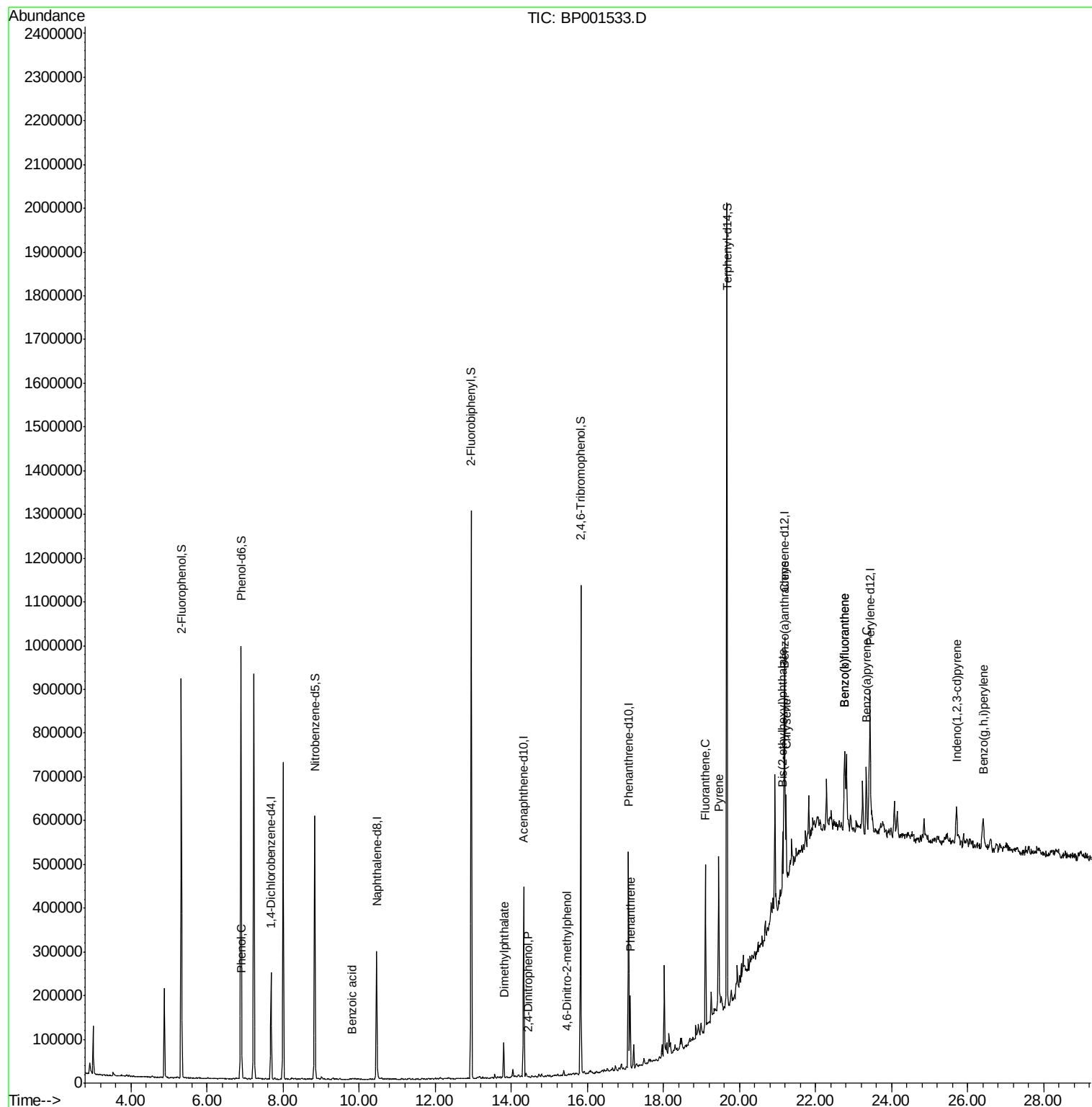
Target Compounds				Qvalue		
9) Benzaldehyde	6.88	77	1734	Below Cal	#	7
10) Phenol	6.92	94	11795	2.596	ng	93
32) Benzoic acid	9.82	122	21	7.778	ng	# 36
50) Dimethylphthalate	13.80	163	45330	4.231	ng	98
54) 2,4-Dinitrophenol	14.45	184	14	6.464	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.45	198	18	5.884	ng	# 1
71) Phenanthrene	17.12	178	93093	6.066	ng	98
75) Fluoranthene	19.10	202	216489	11.652	ng	100
78) Pyrene	19.45	202	207352	12.759	ng	97
81) Benzo(a)anthracene	21.16	228	118415	7.535	ng	95
83) Chrysene	21.22	228	110845	7.357	ng	96
84) Bis(2-ethylhexyl)phthalate	21.13	149	36553	3.568	ng	# 98
86) Indeno(1,2,3-cd)pyrene	25.70	276	82686	4.509	ng	98
88) Benzo(b)fluoranthene	22.76	252	162335	11.214	ng	# 92
89) Benzo(k)fluoranthene	22.76	252	162335	11.707	ng	# 94
90) Benzo(a)pyrene	23.33	252	117196	8.649	ng	# 97
92) Benzo(a,h,i)perylene	26.40	276	82021	6.106	ng	99

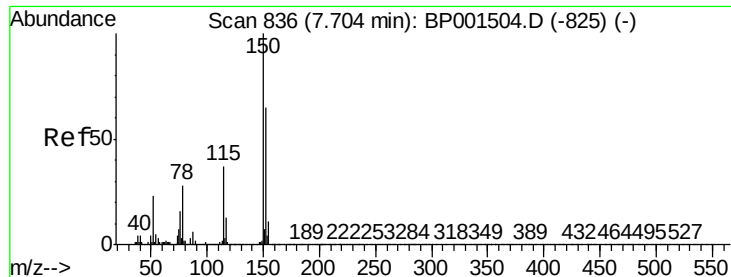
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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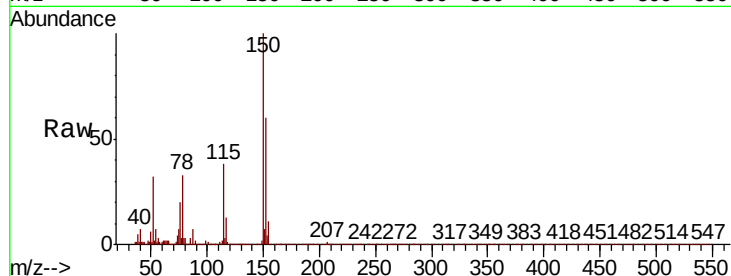


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 832
Delta R.T. -0.00 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.5	117.9	176.9
115	62.2	50.3	75.5

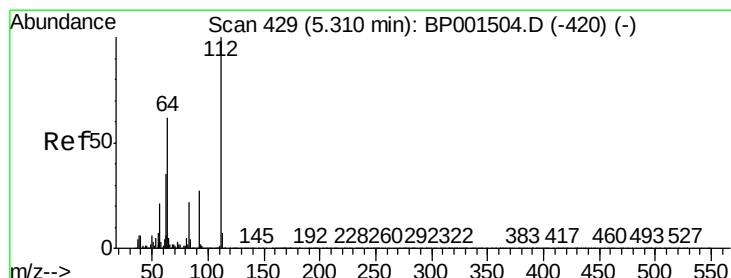
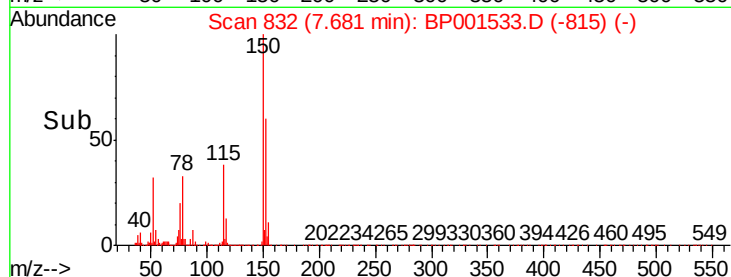
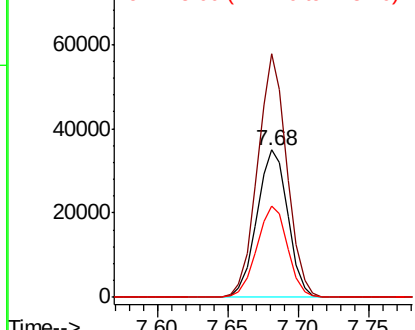


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

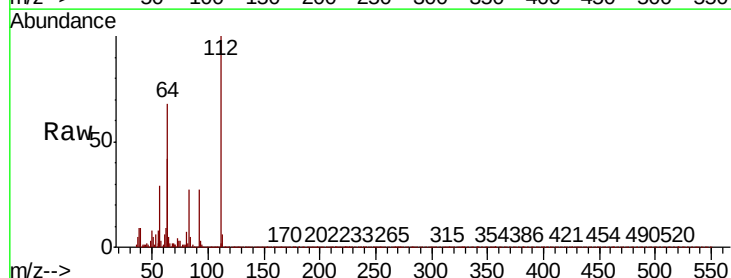
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.373 ng
RT: 5.32 min Scan# 431
Delta R.T. 0.01 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	52.6	79.0
63	41.9	32.6	48.8

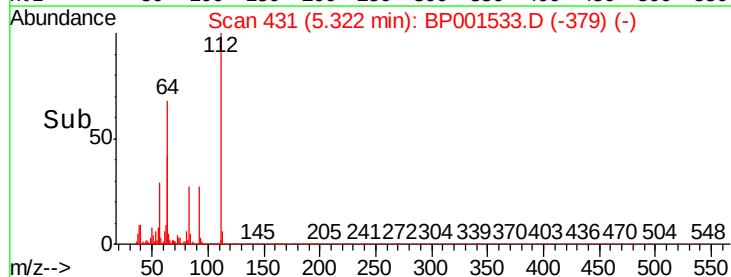
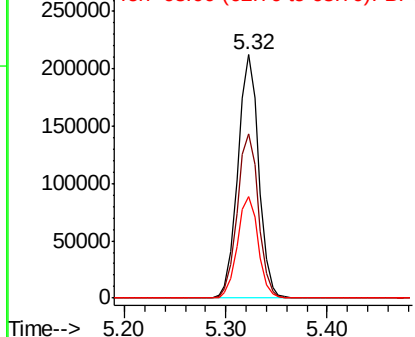


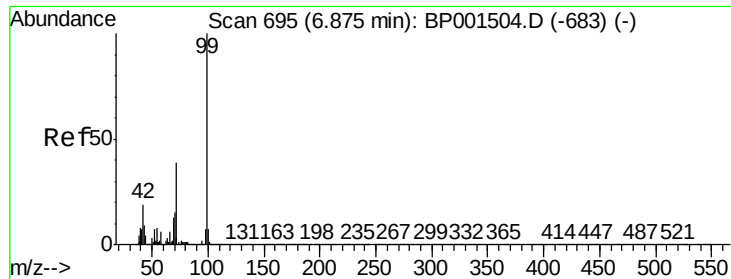
Abundance

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: 102.981 ng

RT: 6.89 min Scan# 698

Delta R.T. 0.01 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

Instrument :

BNA_P

ClientSampleId :

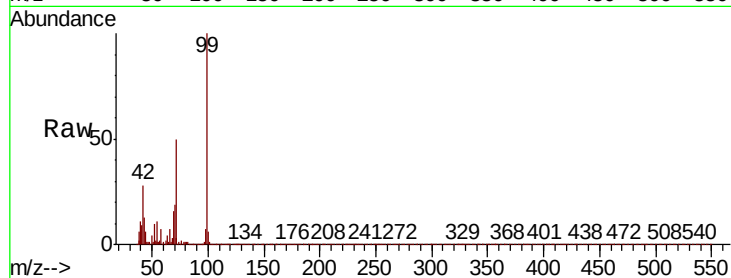
Tot Ion: 99 Resp: 444859

Ion Ratio Lower Upper

99 100

42 27.9 21.2 31.8

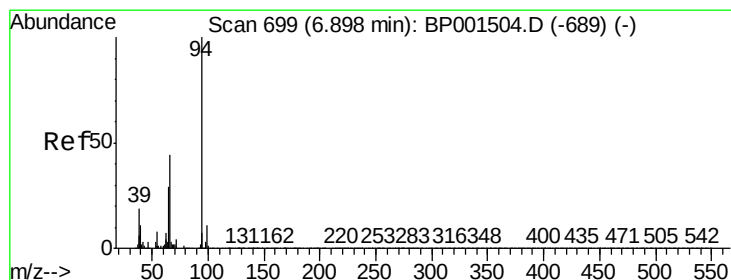
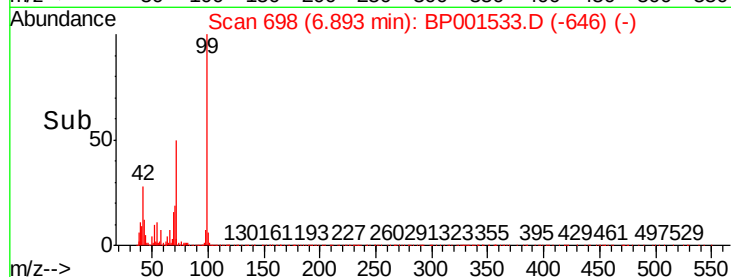
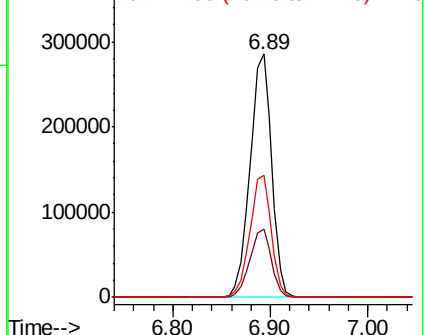
71 50.2 40.0 60.0



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



#10

Phenol

Concen: 2.596 ng

RT: 6.92 min Scan# 702

Delta R.T. 0.01 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

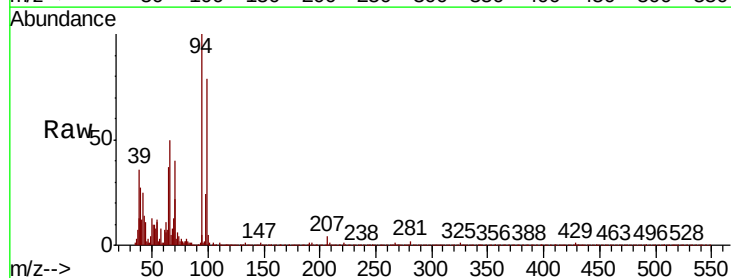
Tgt Ion: 94 Resp: 11795

Ion Ratio Lower Upper

94 100

65 36.9 15.7 55.7

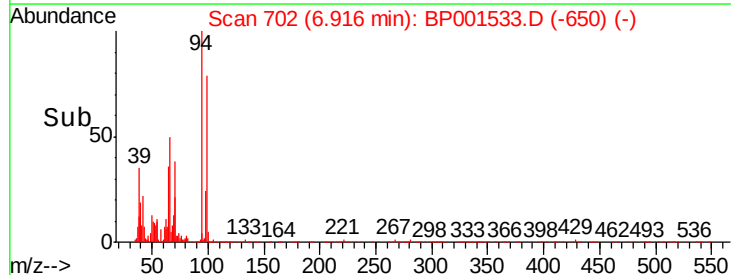
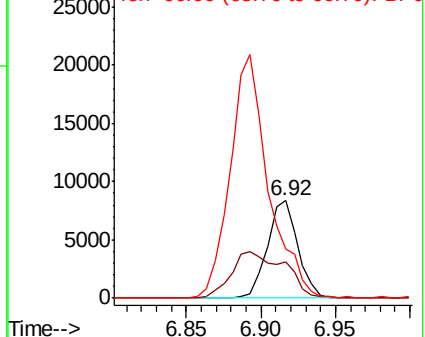
66 50.2 37.8 77.8

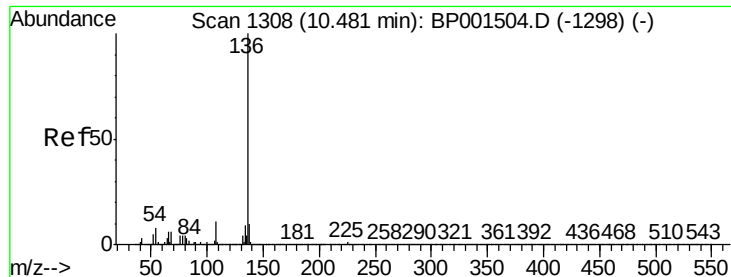


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

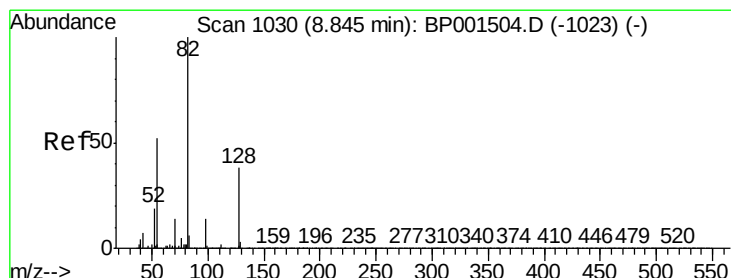
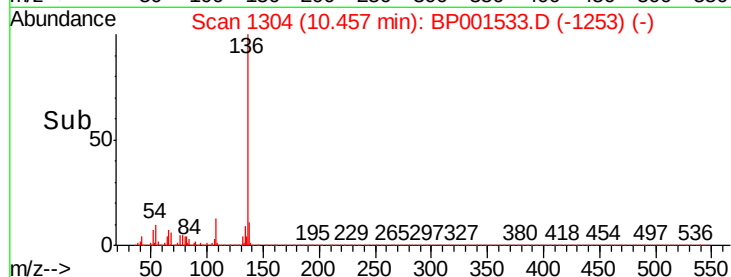
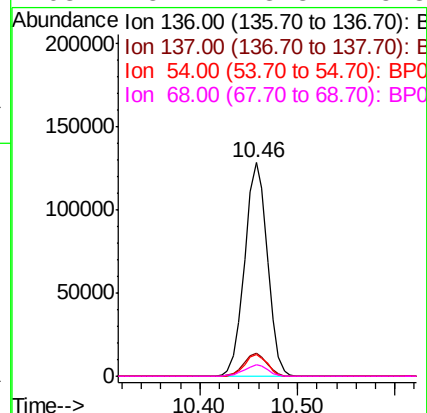
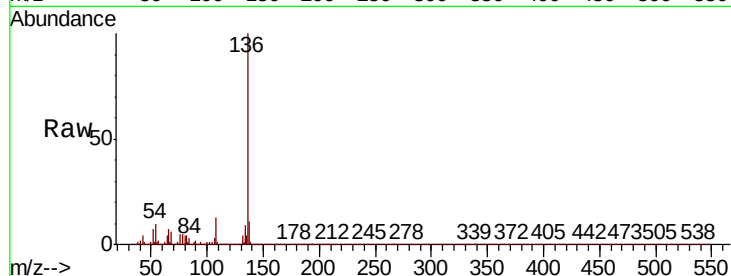




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

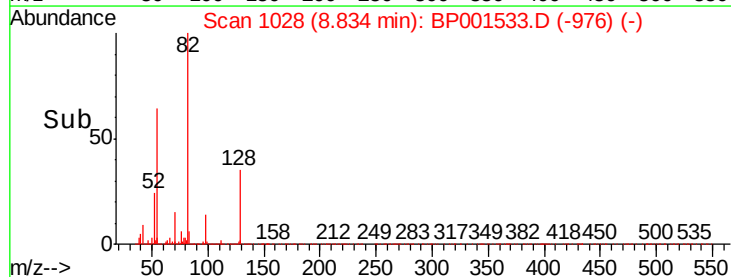
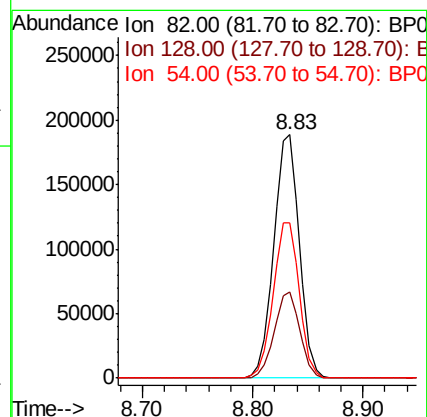
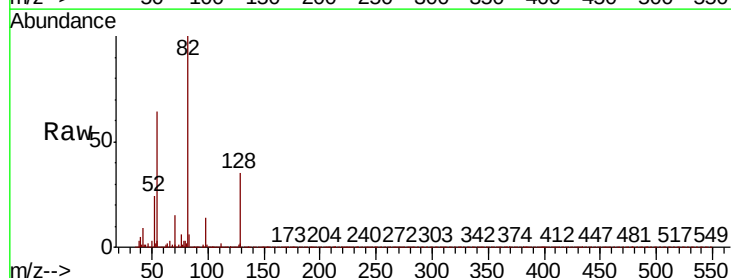
Instrument :
BNA_P
ClientSampleId :

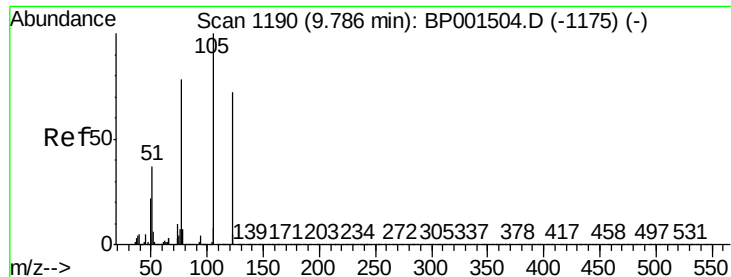
Tot Ion:136	Resp:	207983	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.4	12.6	
54 10.5	8.4	12.6	
68 5.7	3.8	5.8	



#23
Nitrobenzene-d5
Concen: 72.652 ng
RT: 8.83 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

Tgt Ion: 82	Resp: 305927
Ion Ratio	Lower Upper
82 100	
128 35.1	26.9 40.3
54 63.8	51.8 77.8

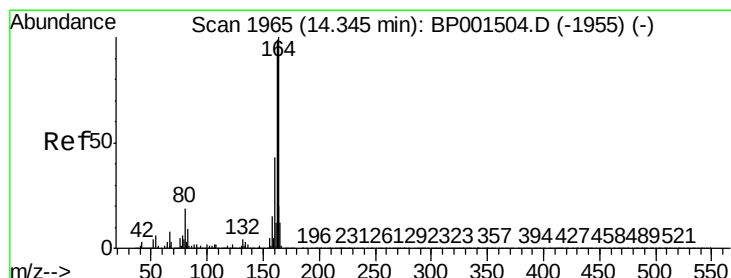
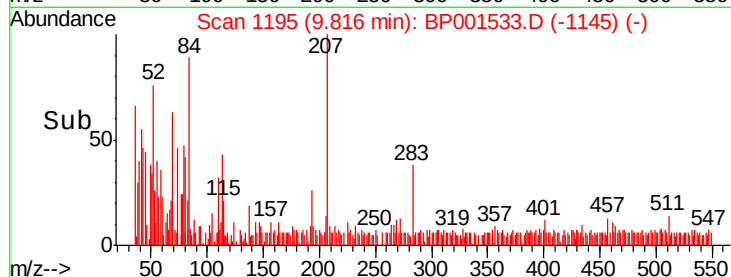
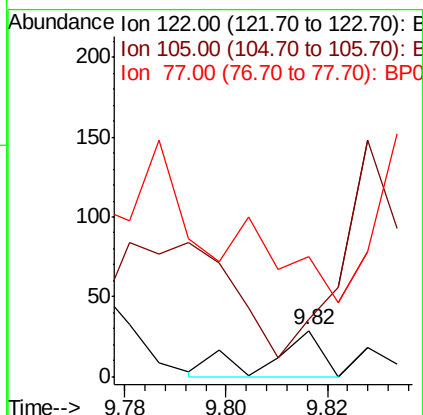
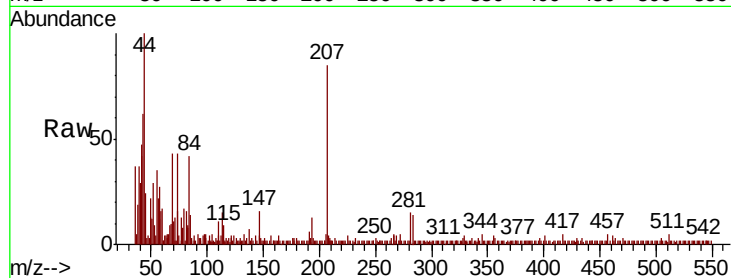




#32
Benzoic acid
Concen: 7.778 ng
RT: 9.82 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

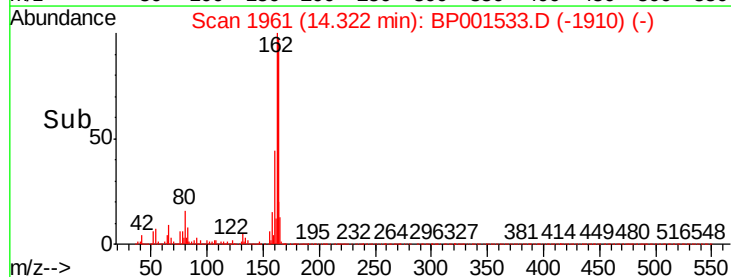
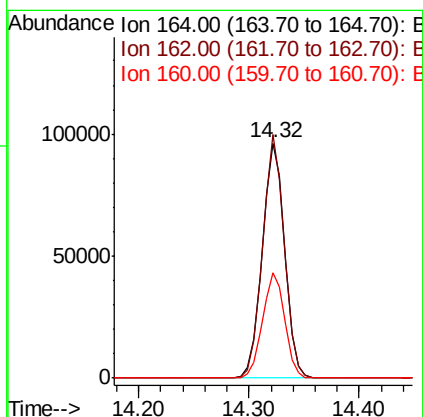
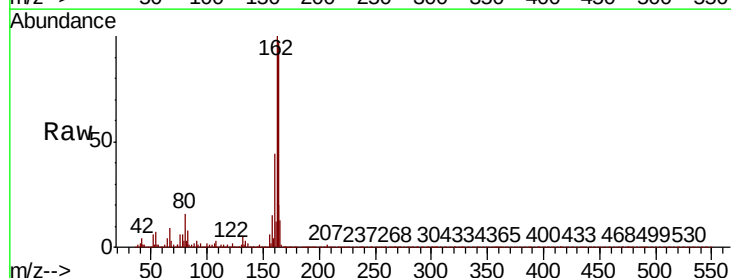
Instrument :
BNA_P
ClientSampleId :

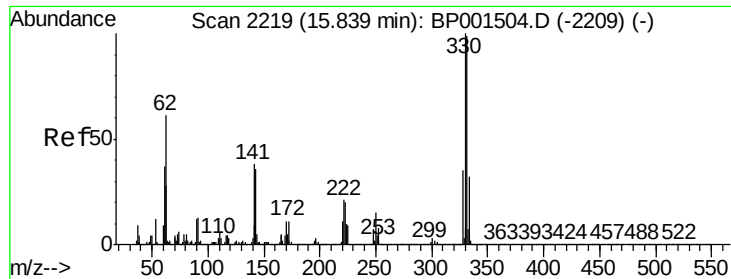
Tot Ion	Ratio	Lower	Upper
122	100		
105	124.1	111.0	151.0
77	258.6	96.4	136.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	79.0	118.4
160	45.1	34.1	51.1

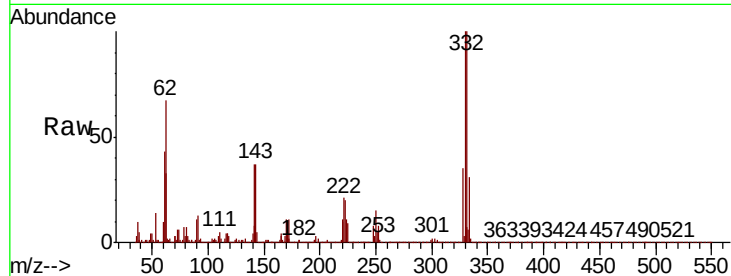




#42
2,4,6-Tribromophenol
Concen: 116.893 ng
RT: 15.82 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	78.0	117.0
141	36.5	28.7	43.1

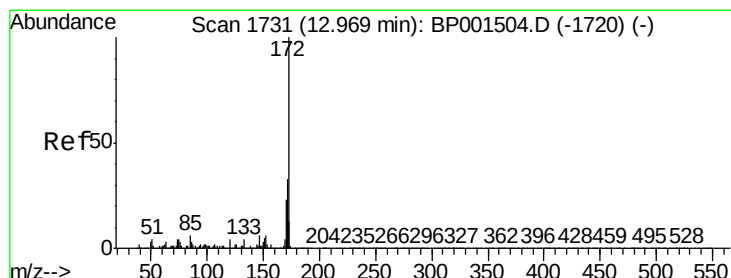
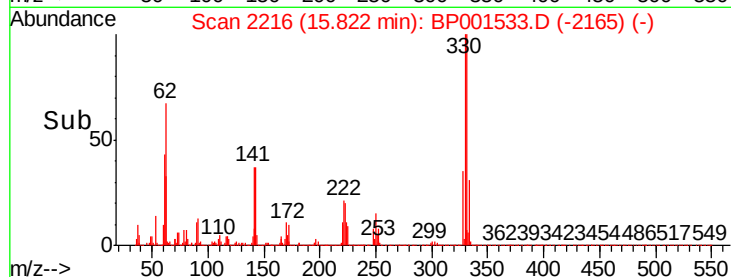
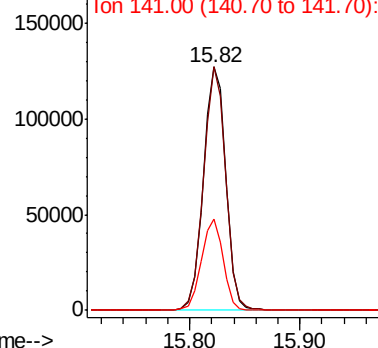


Abundance

Ion 329.80 (329.50 to 330.50): E

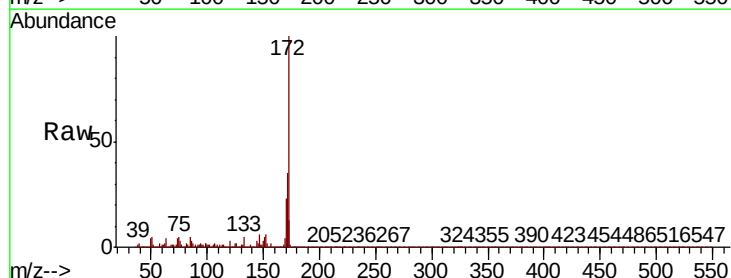
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 66.796 ng
RT: 12.95 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.0	42.0
170	23.2	18.6	27.8

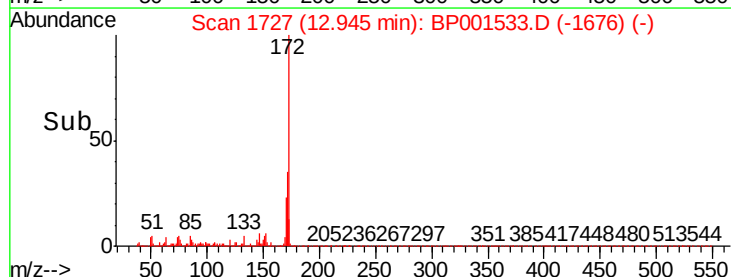
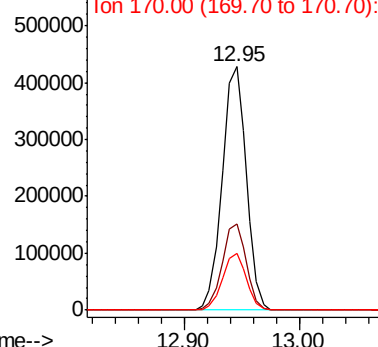


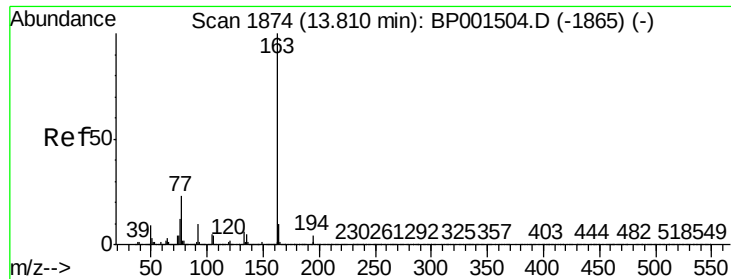
Abundance

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: 4.231 ng

RT: 13.80 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

Instrument :

BNA_P

ClientSampleId :

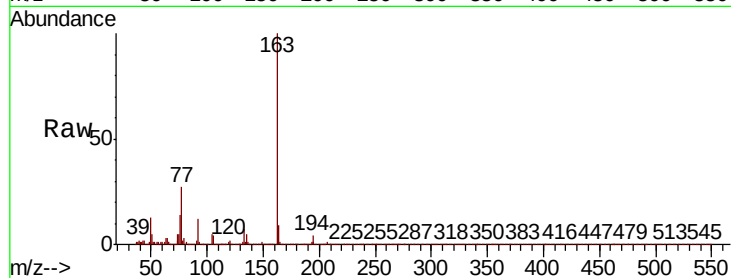
Tot Ion:163 Resp: 45330

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

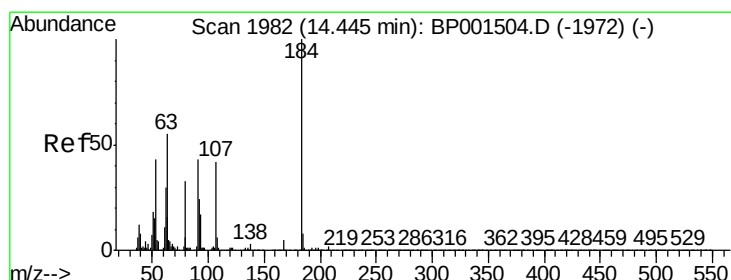
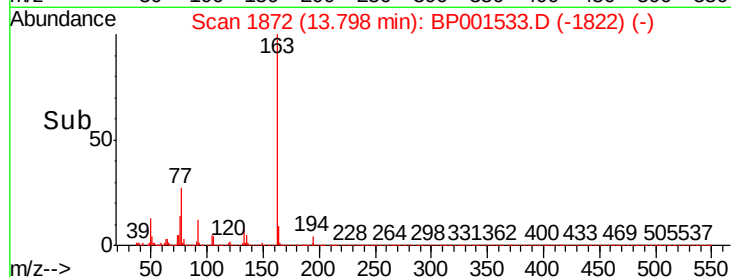
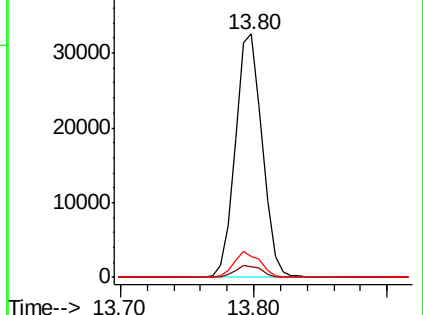
164 8.8 7.9 11.9



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: 6.464 ng

RT: 14.45 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

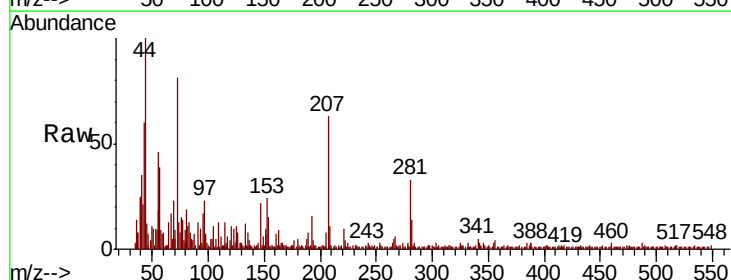
Tgt Ion:184 Resp: 14

Ion Ratio Lower Upper

184 100

63 166.7 61.7 92.5#

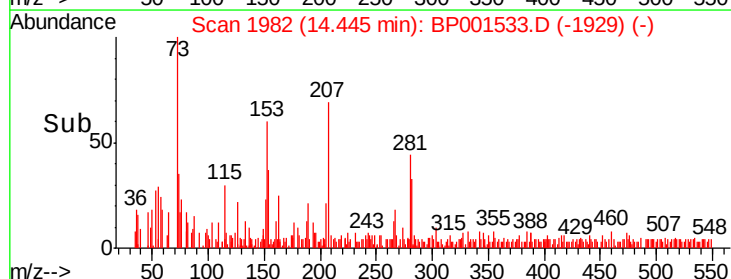
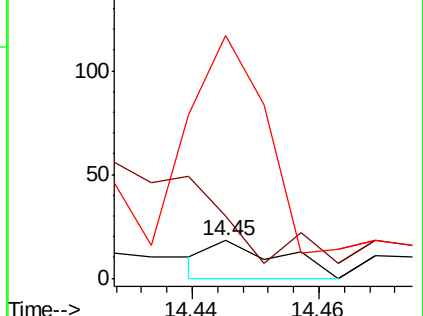
154 694.4 58.9 88.3#

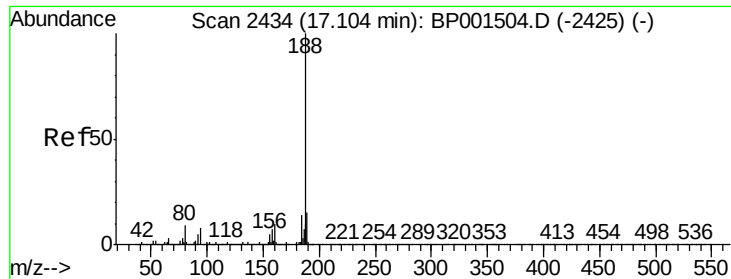


Abundance Ion 184.00 (183.70 to 184.70): E

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. -0.00 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

Instrument :

BNA_P

ClientSampled :

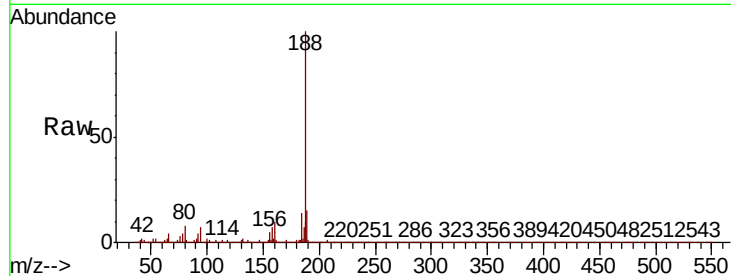
Tot Ion:188 Resp: 282969

Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.0

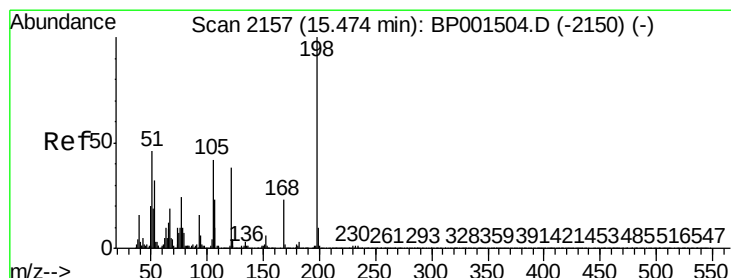
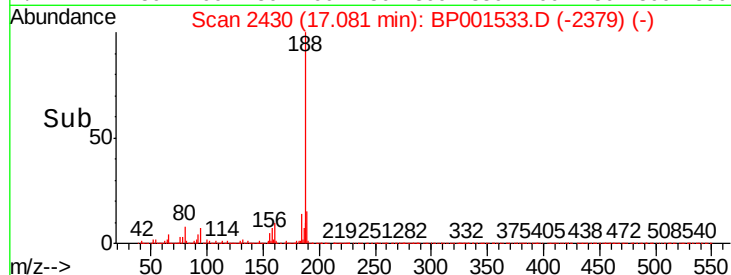
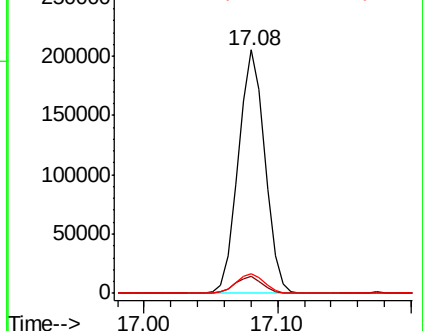
80 8.1 6.3 9.5



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: 5.884 ng

RT: 15.45 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

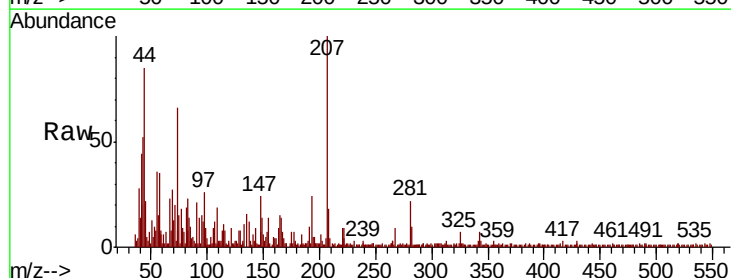
Tgt Ion:198 Resp: 18

Ion Ratio Lower Upper

198 100

51 571.4 35.4 75.4#

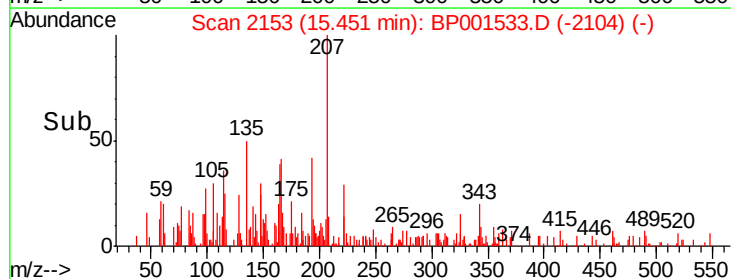
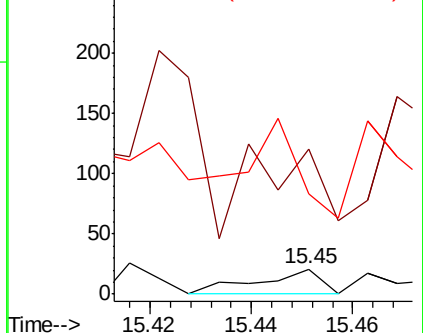
105 395.2 18.3 58.3#

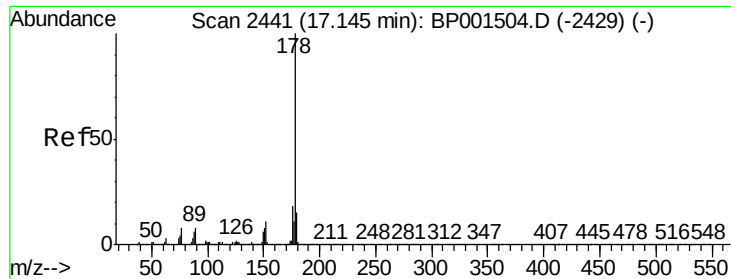


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 6.066 ng

RT: 17.12 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

Instrument :

BNA_P

ClientSampleId :

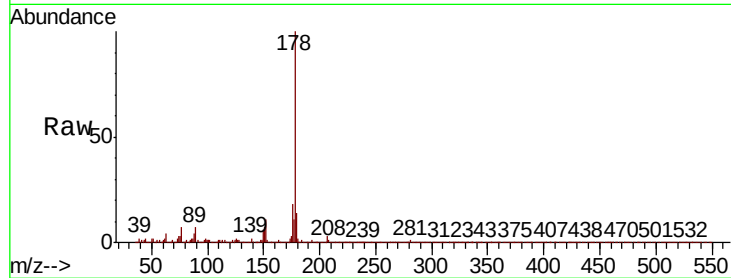
Tot Ion:178 Resp: 93093

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

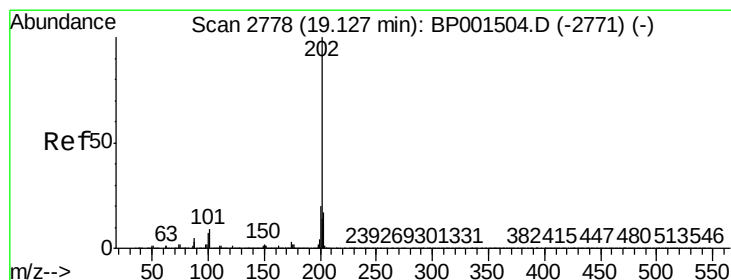
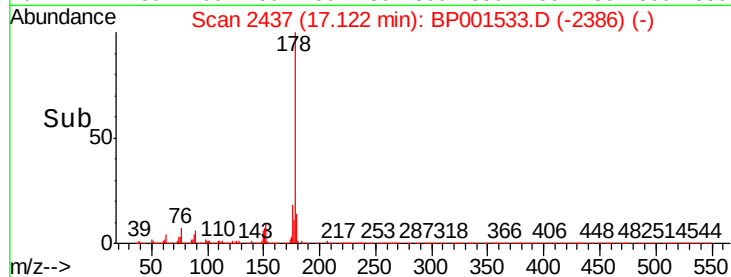
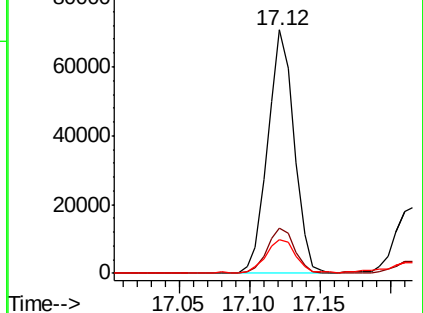
179 13.8 12.2 18.4



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: 11.652 ng

RT: 19.10 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

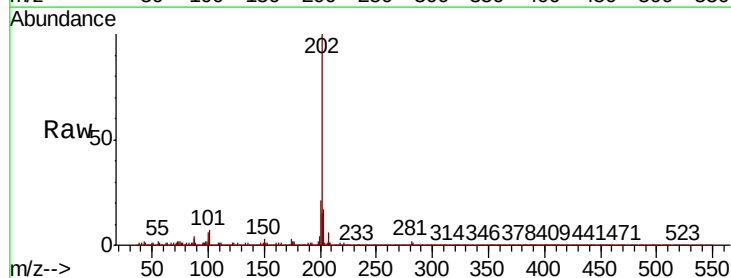
Tgt Ion:202 Resp: 216489

Ion Ratio Lower Upper

202 100

101 7.1 0.0 27.1

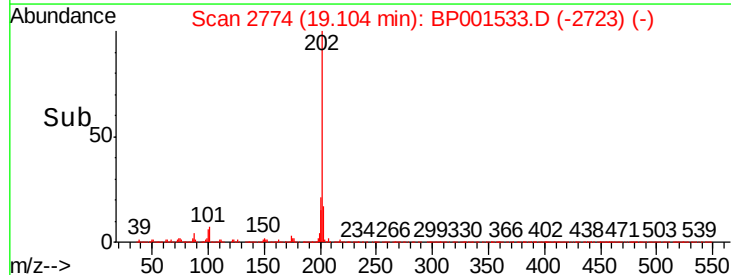
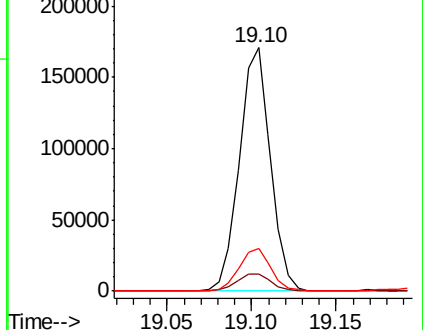
203 17.3 0.0 37.6

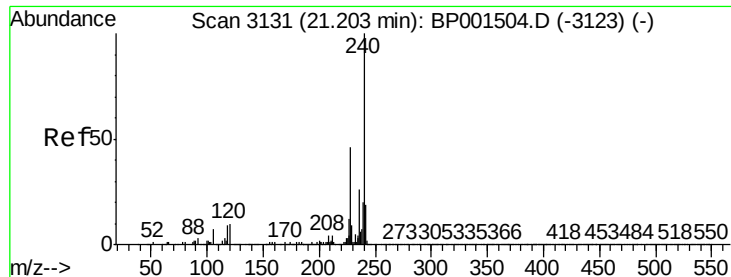


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

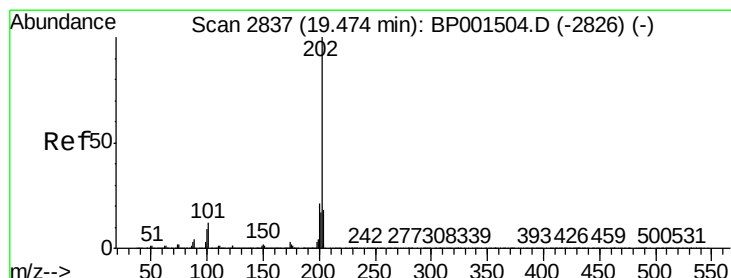
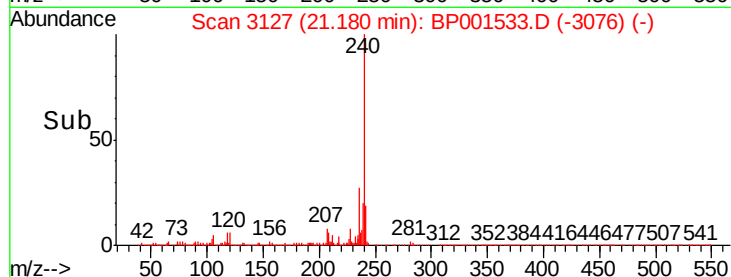
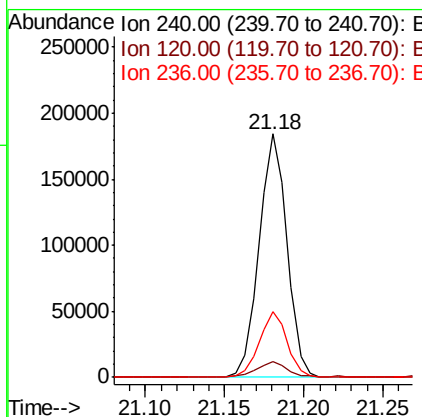
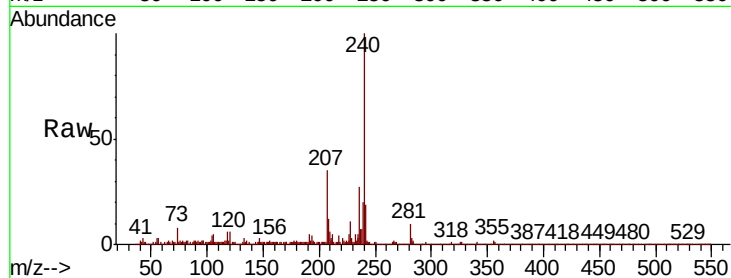




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.18 min Scan# 3127
Delta R.T. -0.00 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

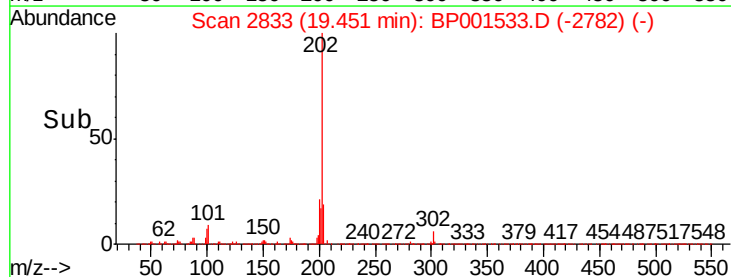
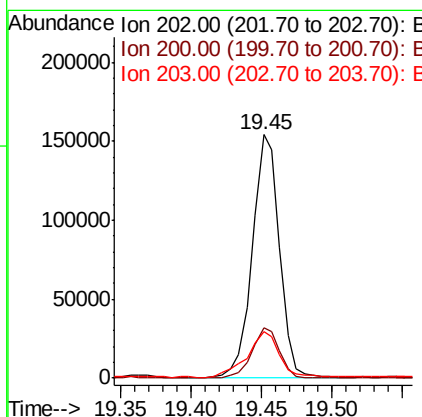
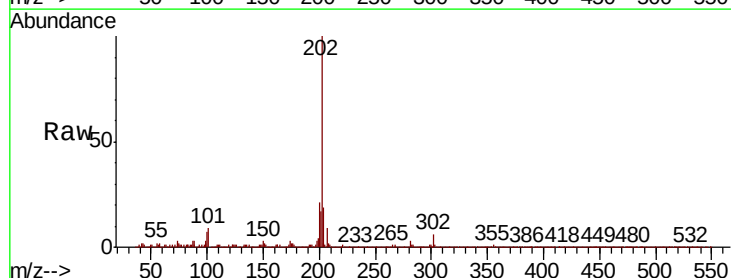
Instrument :
BNA_P
ClientSampleId :

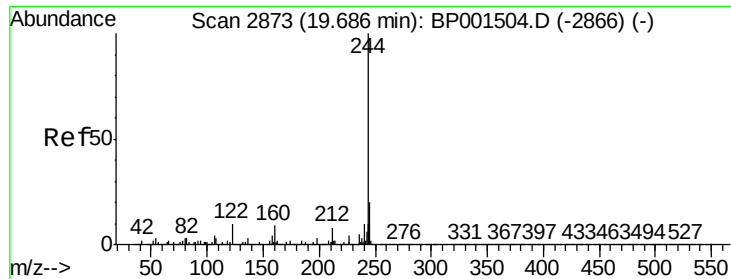
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.4	5.2	7.8
236	26.9	21.4	32.2



#78
Pyrene
Concen: 12.759 ng
RT: 19.45 min Scan# 2833
Delta R.T. -0.00 min
Lab File: BP001533.D
Acq: 06 Jan 2020 17:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.2	24.4
203	18.9	13.6	20.4

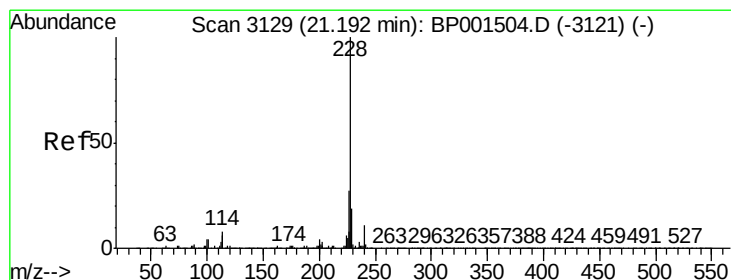
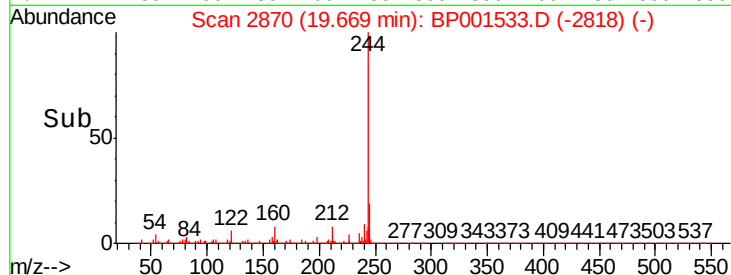
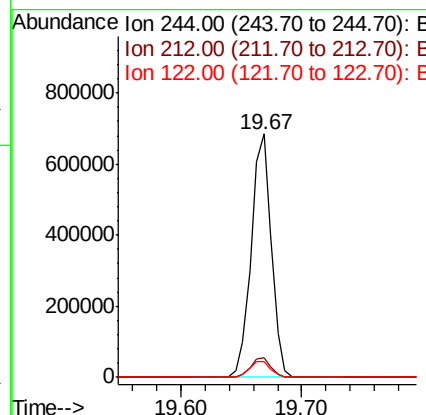
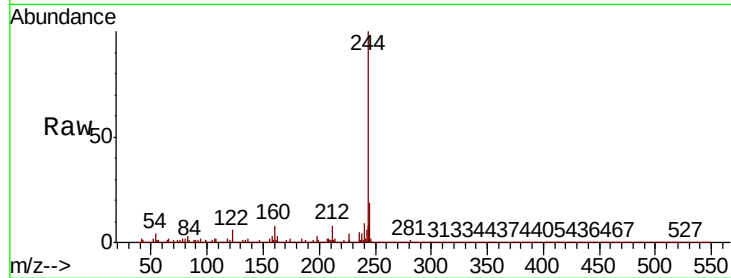




#79
 Terphenyl-d14
 Concen: 70.885 ng
 RT: 19.67 min Scan# 2870
 Delta R.T. 0.01 min
 Lab File: BP001533.D
 Acq: 06 Jan 2020 17:05

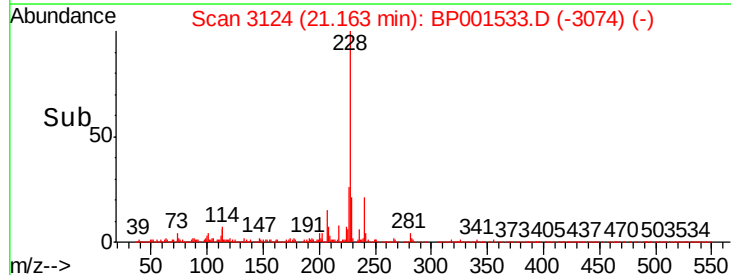
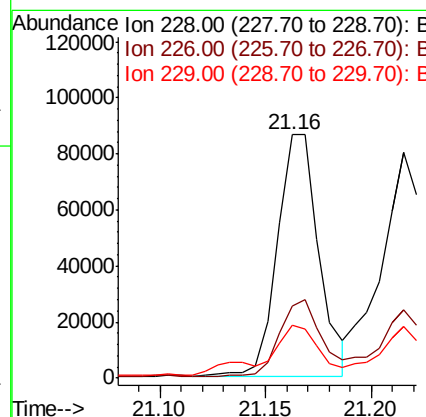
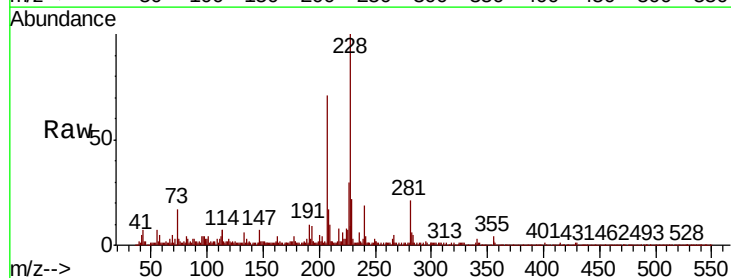
Instrument :
 BNA_P
 ClientSampleId :

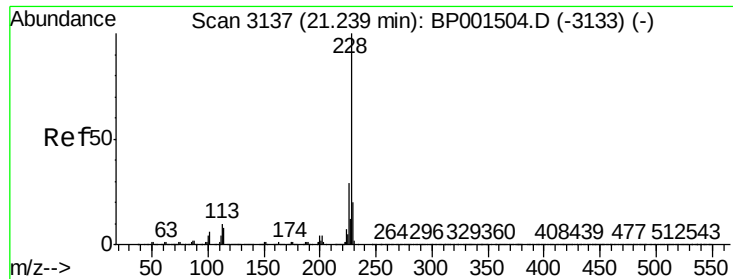
Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.7	10.1
122	6.4	6.0	9.0



#81
 Benzo(a)anthracene
 Concen: 7.535 ng
 RT: 21.16 min Scan# 3124
 Delta R.T. -0.01 min
 Lab File: BP001533.D
 Acq: 06 Jan 2020 17:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.4	32.2
229	21.6	15.5	23.3

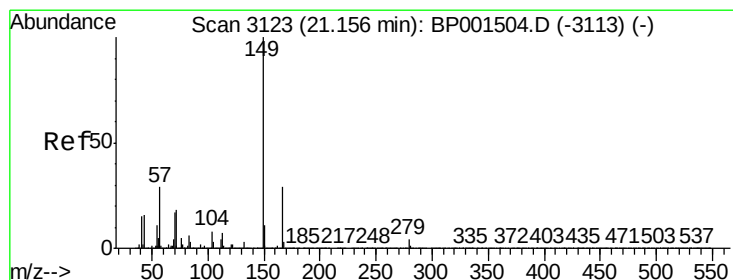
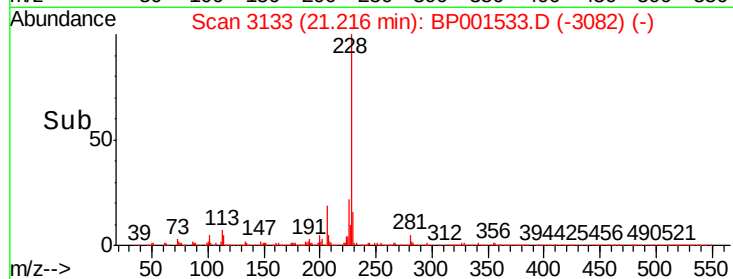
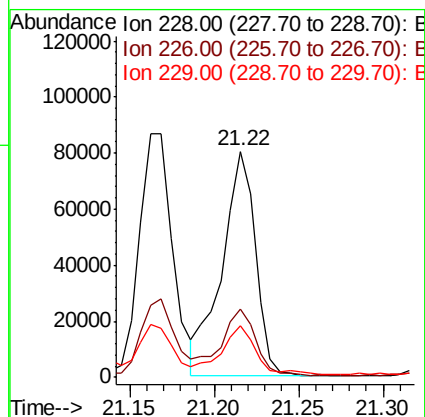
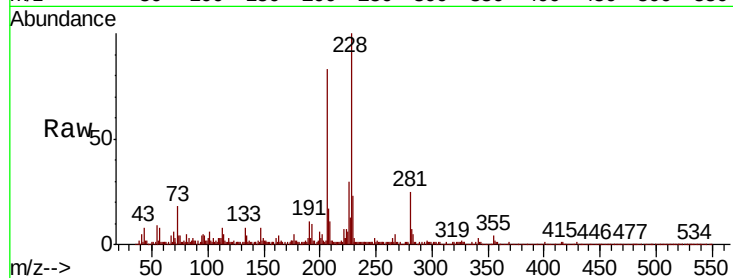




#83
 Chrysene
 Concen: 7.357 ng
 RT: 21.22 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: BP001533.D
 Acq: 06 Jan 2020 17:05

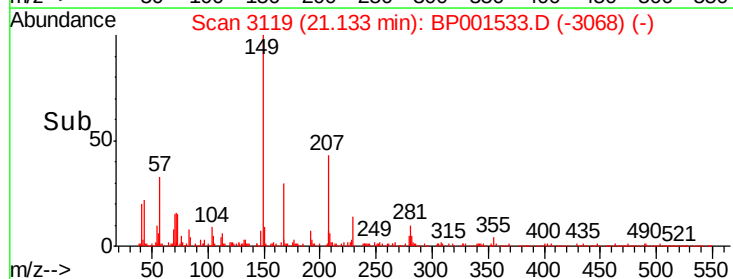
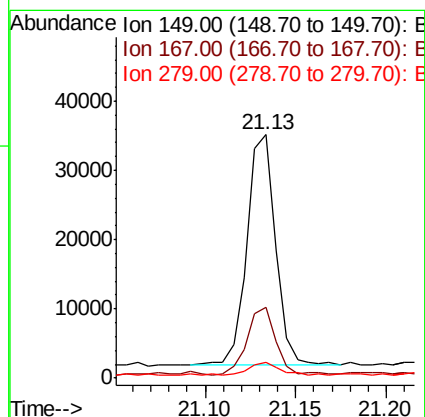
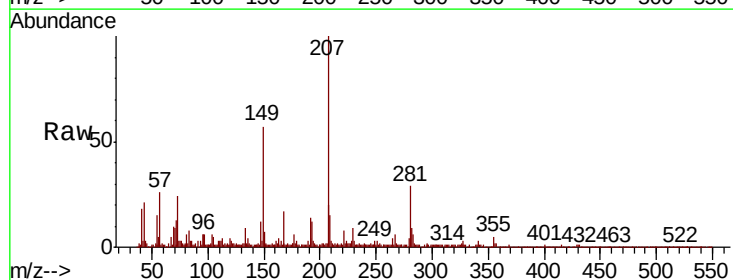
Instrument :
 BNA_P
 ClientSampleId :

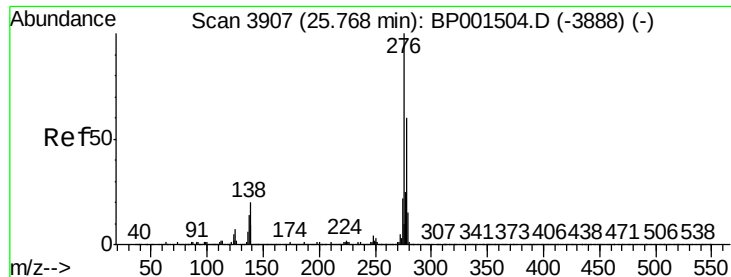
Tot Ion:228	Resp:	110845
Ion	Ratio	Lower Upper
228	100	
226	30.0	23.1 34.7
229	23.0	15.6 23.4



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.568 ng
 RT: 21.13 min Scan# 3119
 Delta R.T. -0.00 min
 Lab File: BP001533.D
 Acq: 06 Jan 2020 17:05

Tgt Ion:149	Resp:	36553
Ion	Ratio	Lower Upper
149	100	
167	29.3	24.0 36.0
279	6.7	4.2 6.4#

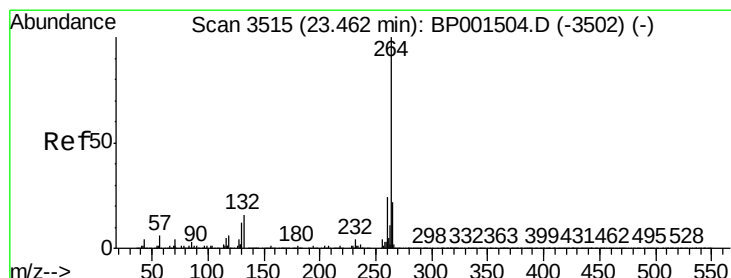
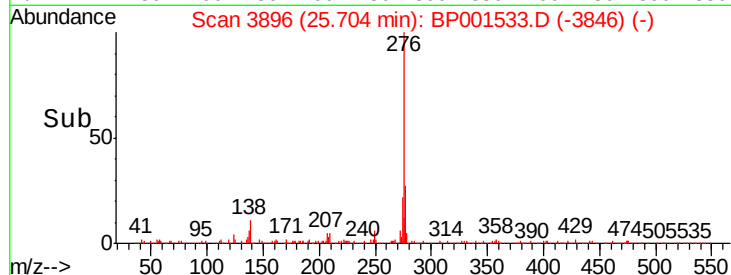
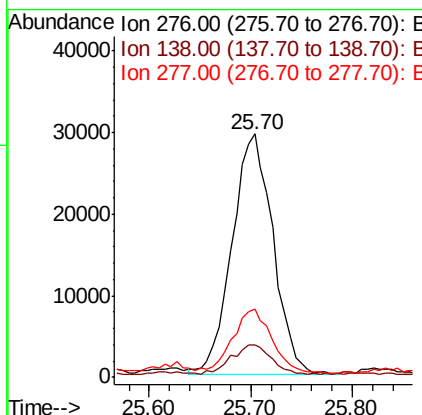
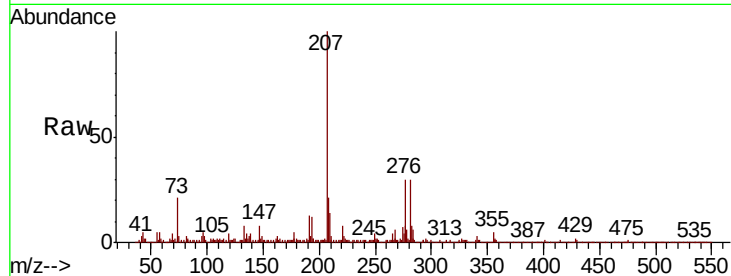




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.509 ng
 RT: 25.70 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: BP001533.D
 Acq: 06 Jan 2020 17:05

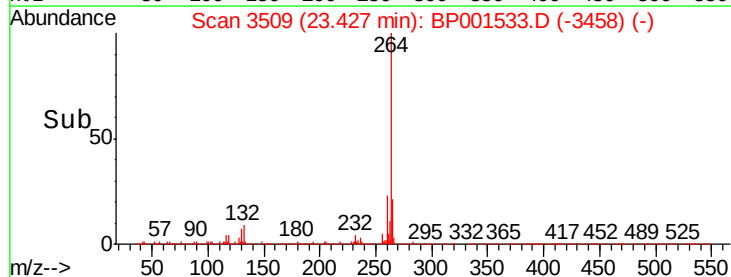
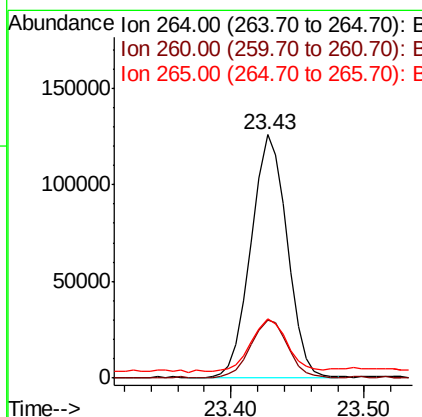
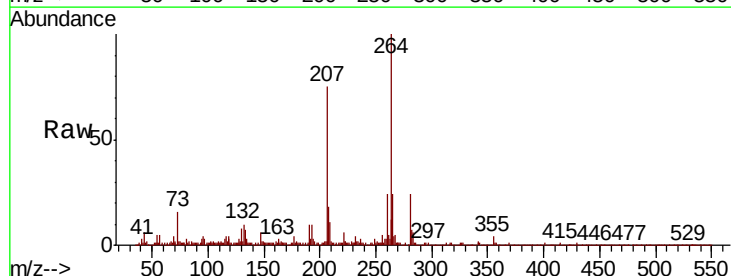
Instrument :
 BNA_P
 ClientSampleId :

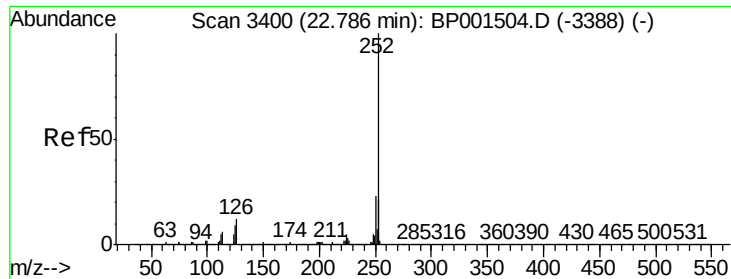
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.5	11.0	16.6
277	25.9	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.43 min Scan# 3509
 Delta R.T. -0.00 min
 Lab File: BP001533.D
 Acq: 06 Jan 2020 17:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	24.1	19.0	28.4





#88

Benzo(b)fluoranthene

Concen: 11.214 ng

RT: 22.76 min Scan# 3395

Delta R.T. 0.01 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

Instrument :

BNA_P

ClientSampled :

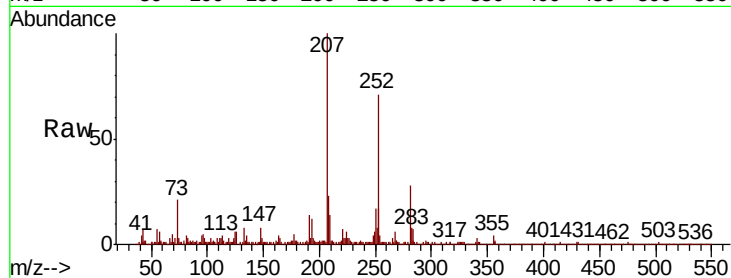
Tot Ion:252 Resp: 162335

Ion Ratio Lower Upper

252 100

253 24.1 16.7 25.1

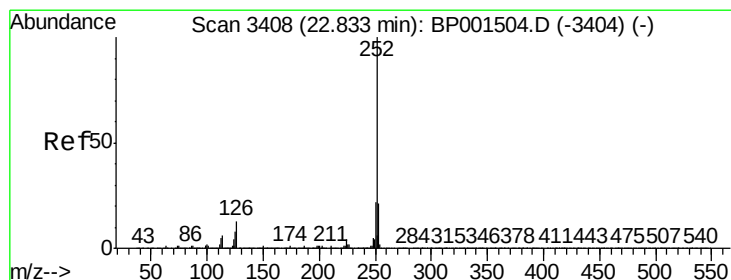
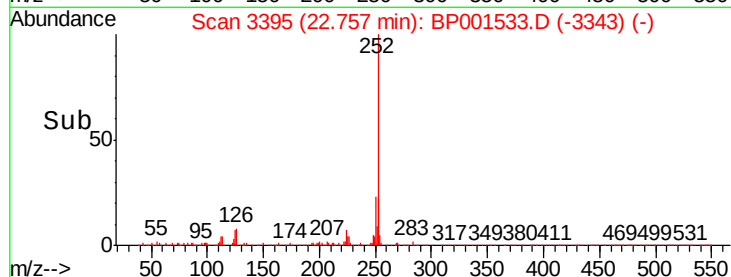
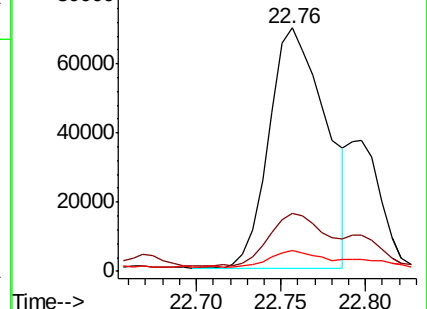
125 8.6 4.2 6.2#



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



#89

Benzo(k)fluoranthene

Concen: 11.707 ng

RT: 22.76 min Scan# 3395

Delta R.T. -0.04 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

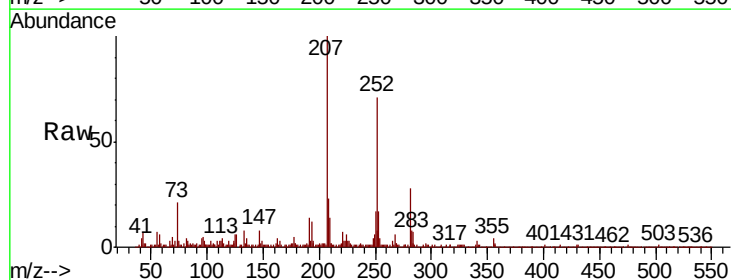
Tgt Ion:252 Resp: 162335

Ion Ratio Lower Upper

252 100

253 24.1 17.3 25.9

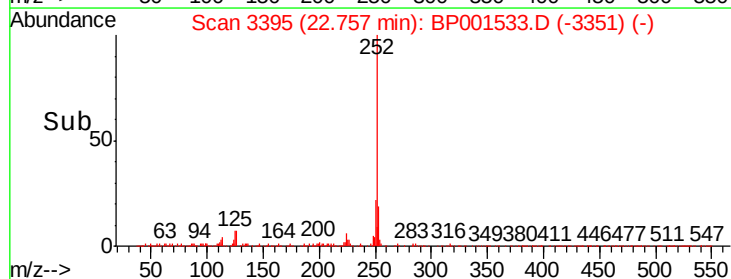
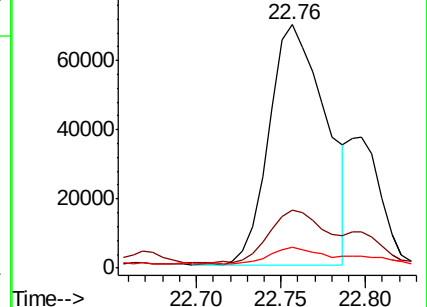
125 8.6 4.8 7.2#

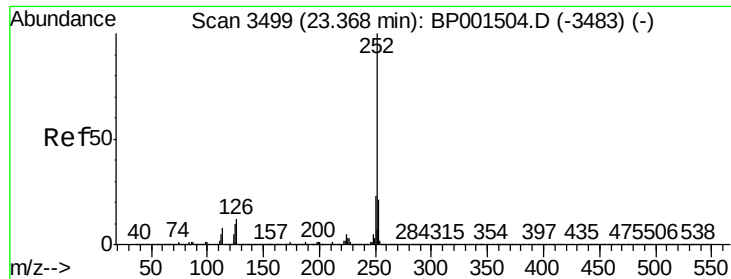


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 8.649 ng

RT: 23.33 min Scan# 3492

Delta R.T. -0.01 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

Instrument :

BNA_P

ClientSampleId :

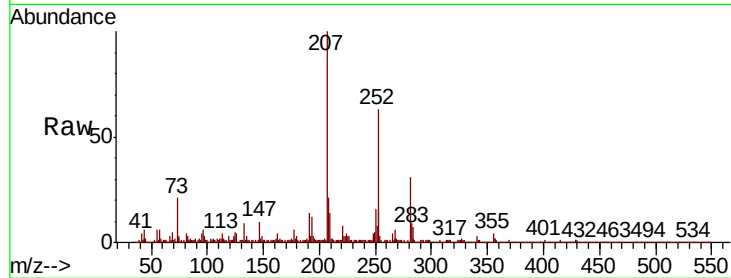
Tot Ion:252 Resp: 117196

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 8.2 4.6 6.8#

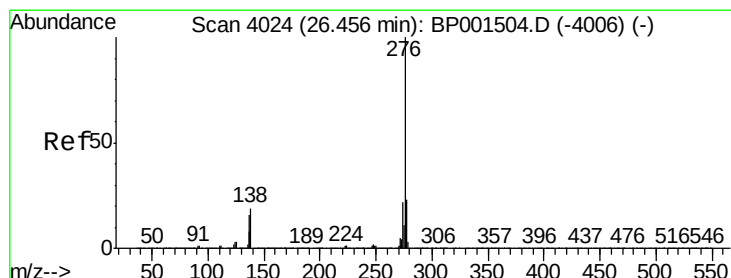
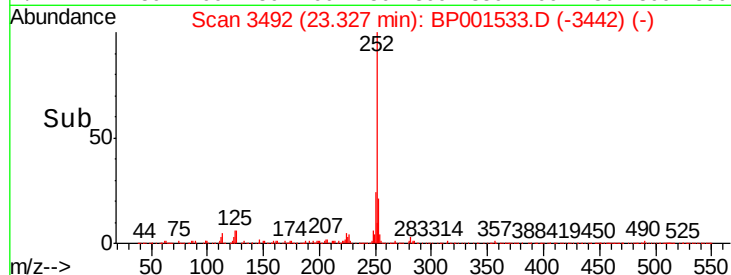
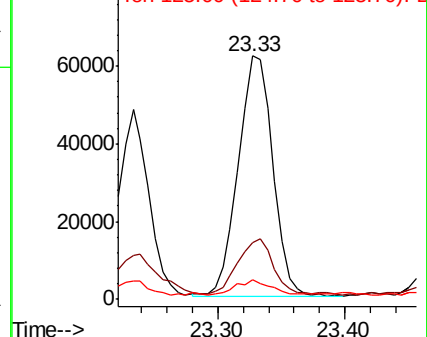


Abundance

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: 6.106 ng

RT: 26.40 min Scan# 4014

Delta R.T. -0.00 min

Lab File: BP001533.D

Acq: 06 Jan 2020 17:05

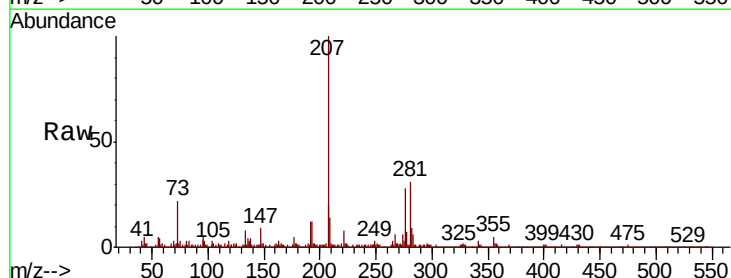
Tgt Ion:276 Resp: 82021

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 13.7 10.1 15.1



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

