

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
 Data File : BP003028.D
 Acq On : 18 Aug 2020 21:22
 Operator : CG/JU
 Sample : L3712-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VB-27207

Quant Time: Aug 19 00:58:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 14:07:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	382806	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1331875	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	858130	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	1365627	20.00	ng	0.00
76) Chrysene-d12	21.17	240	1487386	20.00	ng	0.00
86) Perylene-d12	23.41	264	1577036	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1669989	66.77	ng	0.00
7) Phenol-d6	6.86	99	2000497	57.61	ng	0.00
23) Nitrobenzene-d5	8.83	82	1158277	47.10	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	745406	69.89	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	2977855	47.41	ng	0.00
79) Terphenyl-d14	19.66	244	3136508	42.22	ng	0.00

Target Compounds

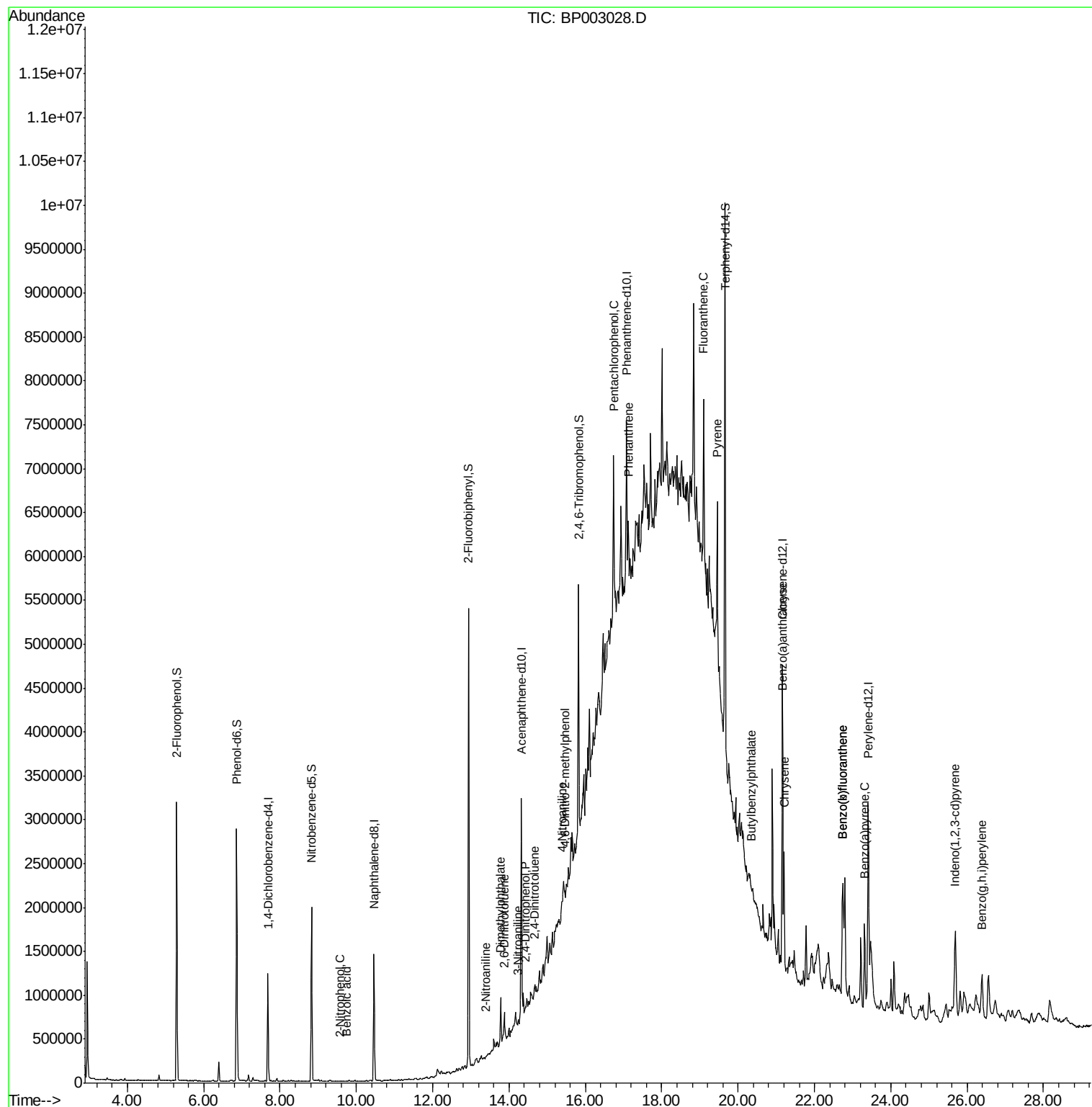
						Qvalue
26) 2-Nitrophenol	9.56	139	62	4.526	ng	# 1
32) Benzoic acid	9.74	122	1790	7.807	ng	92
48) 2-Nitroaniline	13.39	65	616	4.012	ng	# 55
50) Dimethylphthalate	13.78	163	393747	5.867	ng	99
51) 2,6-Dinitrotoluene	13.87	165	55198	6.327	ng	# 40
53) 3-Nitroaniline	14.25	138	1930	3.387	ng	# 26
54) 2,4-Dinitrophenol	14.43	184	122	8.074	ng	# 1
57) 2,4-Dinitrotoluene	14.66	165	5928	4.080	ng	# 51
62) 4-Nitroaniline	15.40	138	1093	2.483	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.47	198	198	6.924	ng	# 1
70) Pentachlorophenol	16.73	266	481635	48.332	ng	100
71) Phenanthrene	17.12	178	377898	4.719	ng	# 76
75) Fluoranthene	19.10	202	1299326	14.083	ng	97
78) Pyrene	19.45	202	1180766	11.356	ng	98
80) Butylbenzylphthalate	20.33	149	8173	3.239	ng	# 86
81) Benzo(a)anthracene	21.15	228	640651	6.323	ng	99
83) Chrysene	21.20	228	763403	7.988	ng	98
87) Indeno(1,2,3-cd)pyrene	25.69	276	642744	5.089	ng	95
88) Benzo(b)fluoranthene	22.74	252	1540524	13.843	ng	100
89) Benzo(k)fluoranthene	22.74	252	1540524	14.646	ng	100
90) Benzo(a)pyrene	23.31	252	681936	6.782	ng	99
92) Benzo(g,h,i)perylene	26.39	276	616069	5.927	ng	98

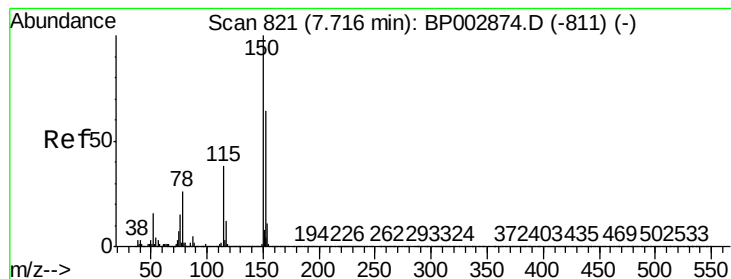
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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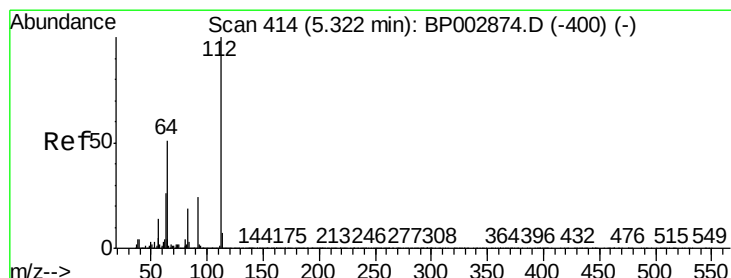
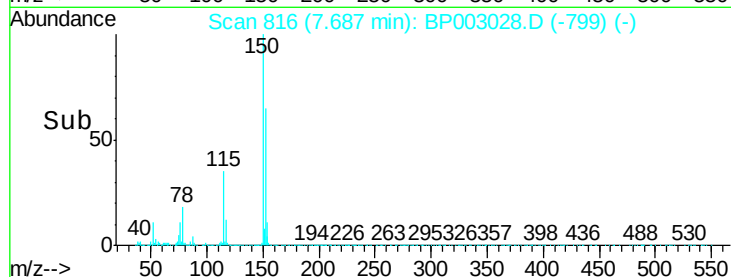
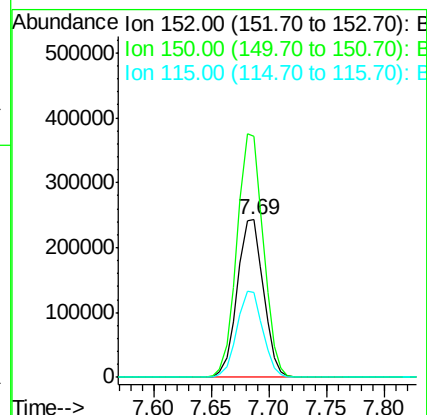
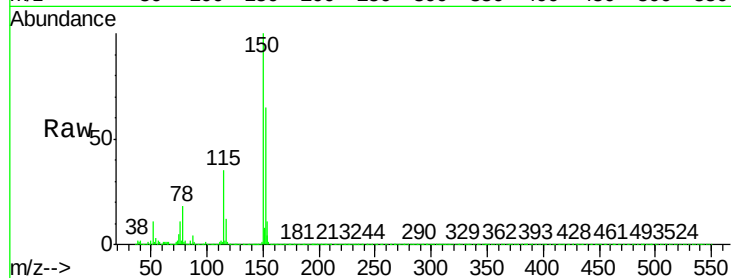


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 816
Delta R.T. -0.00 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

Instrument :
BNA_P
ClientSampleId :
VB-27207

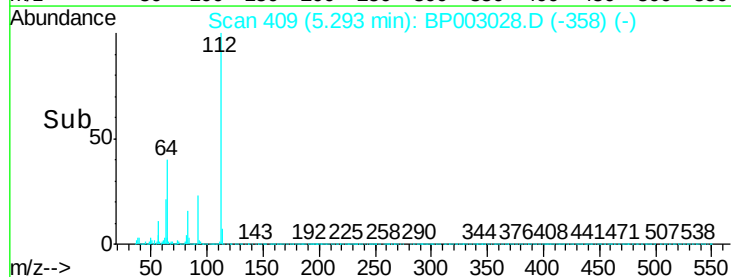
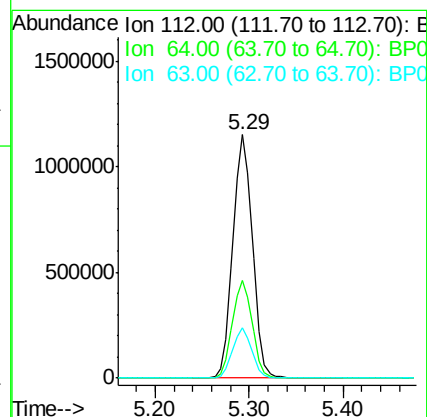
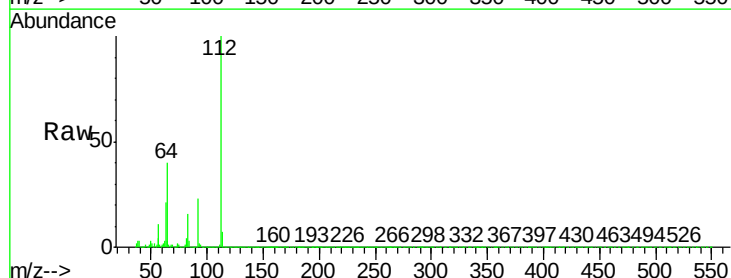
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.1	189.1
115	53.6	43.4	65.2

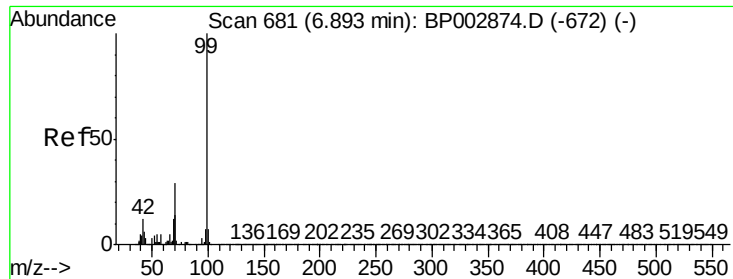


#5

2-Fluorophenol
Concen: 66.768 ng
RT: 5.29 min Scan# 409
Delta R.T. -0.00 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.0	33.4	50.2
63	20.6	17.4	26.0





#7

Phenol-d6

Concen: 57.608 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Instrument :

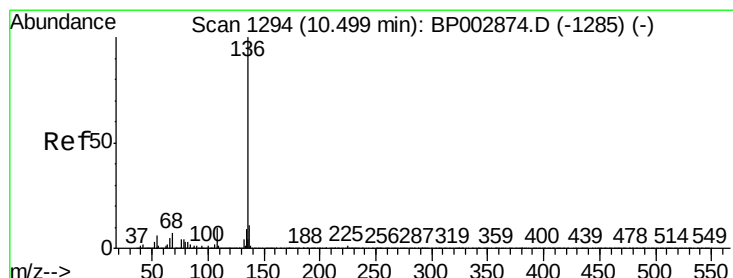
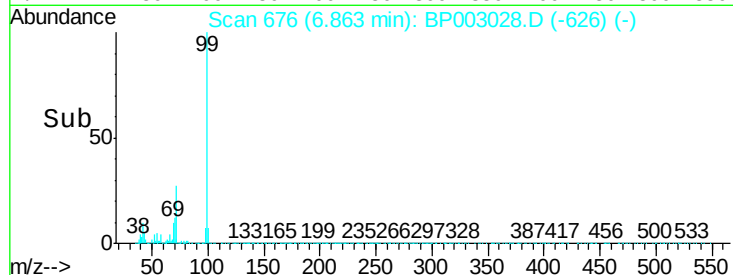
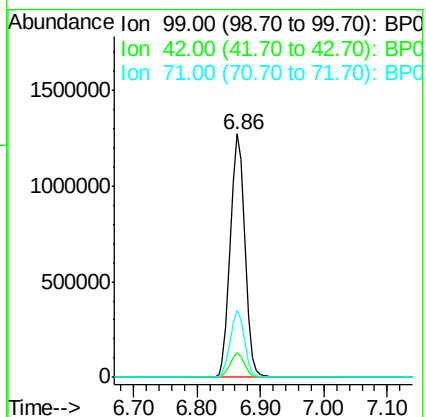
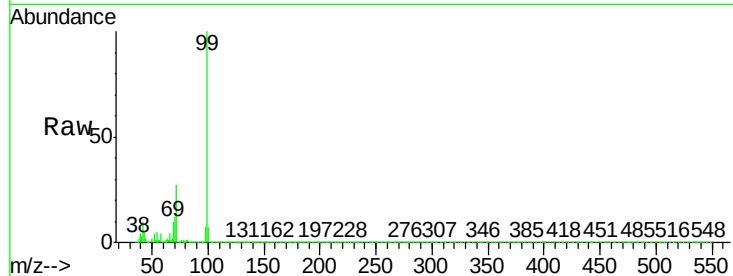
BNA_P

ClientSampleId :

VB-27207

Tot Ion: 99 Resp: 2000497

Ion	Ratio	Lower	Upper
99	100		
42	10.0	8.0	12.0
71	27.4	21.3	31.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1288

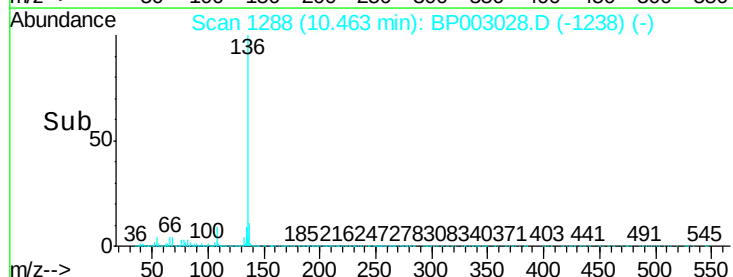
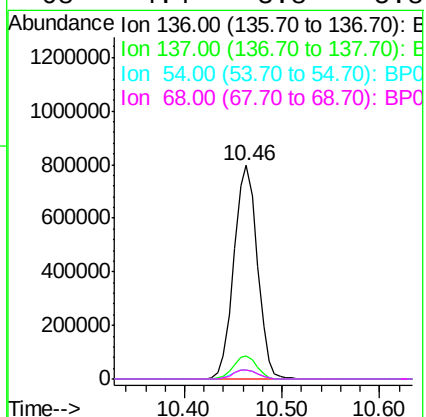
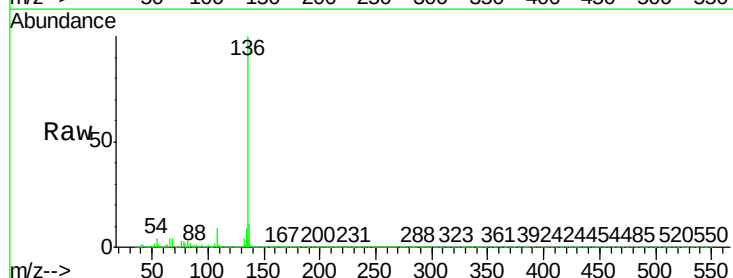
Delta R.T. -0.01 min

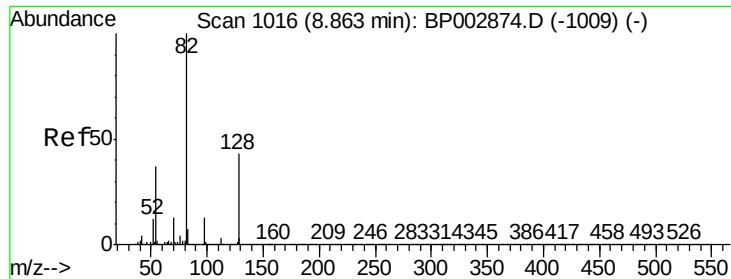
Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Tgt Ion: 136 Resp: 1331875

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	4.5	3.8	5.8
68	4.4	3.8	5.8

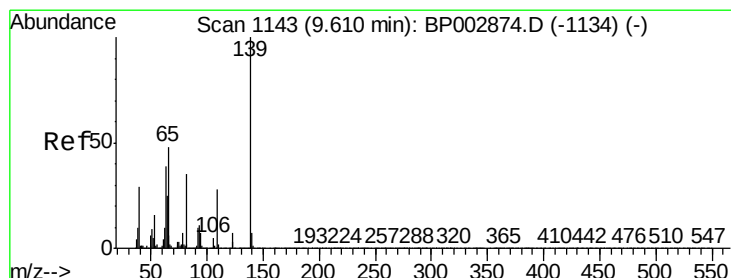
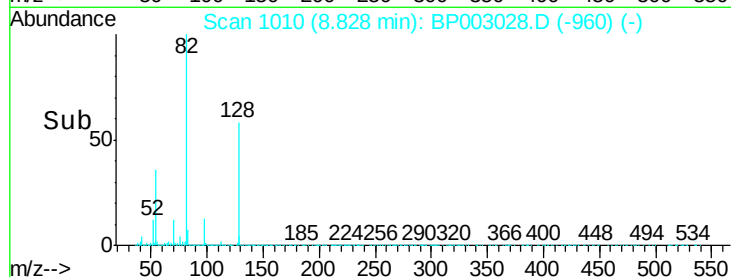
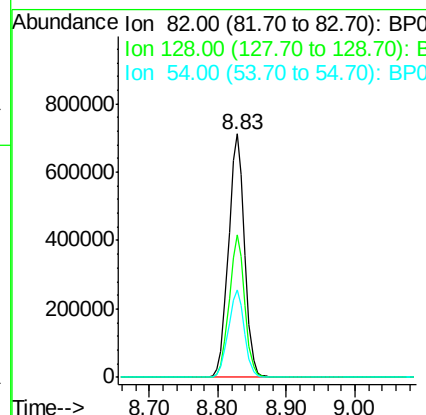
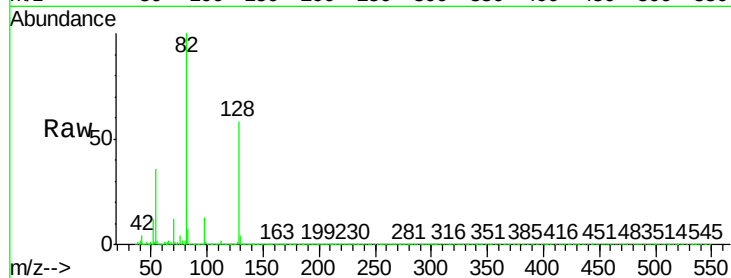




#23
Nitrobenzene-d5
Concen: 47.103 ng
RT: 8.83 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

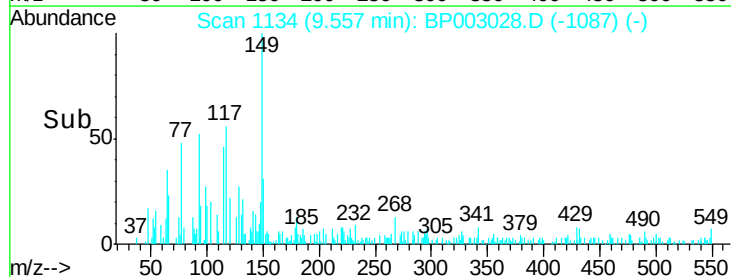
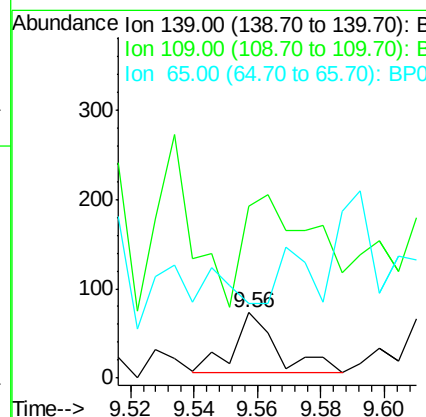
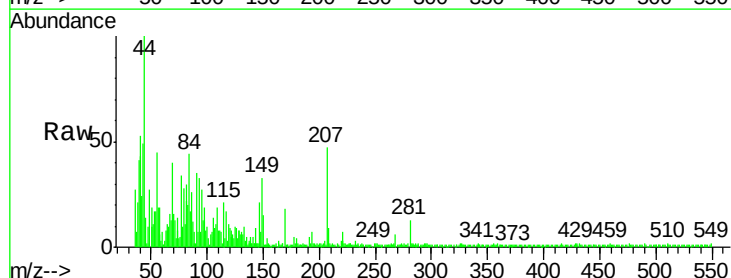
Instrument :
BNA_P
ClientSampleId :
VB-27207

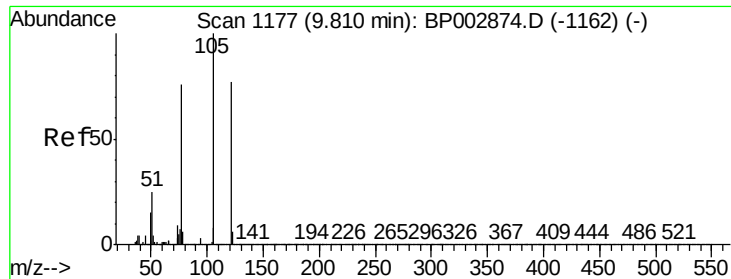
Tot Ion: 82 Resp: 1158277
Ion Ratio Lower Upper
82 100
128 58.3 45.1 67.7
54 35.9 28.8 43.2



#26
2-Nitrophenol
Concen: 4.526 ng
RT: 9.56 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

Tgt Ion: 139 Resp: 62
Ion Ratio Lower Upper
139 100
109 263.0 21.0 31.6#
65 113.7 27.2 40.8#

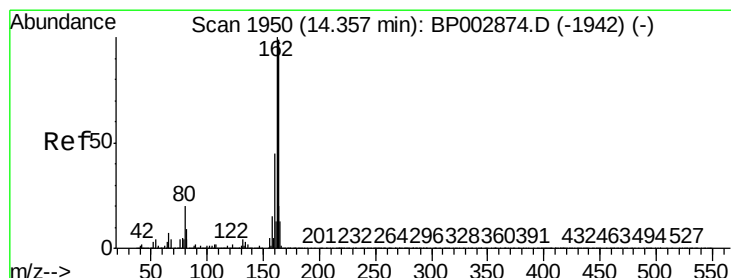
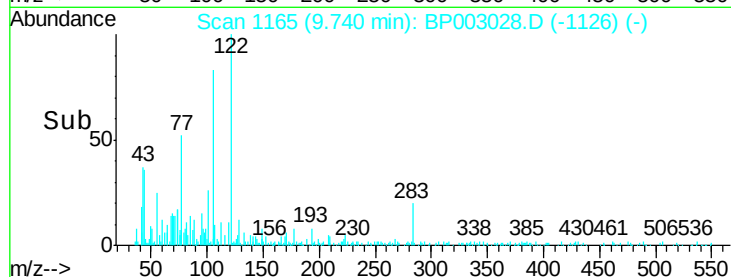
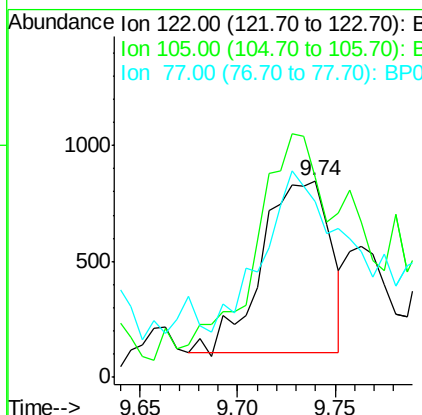
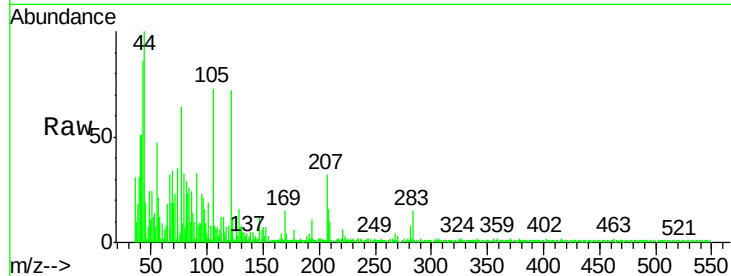




#32
Benzoic acid
Concen: 7.807 ng
RT: 9.74 min Scan# 1165
Delta R.T. -0.07 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

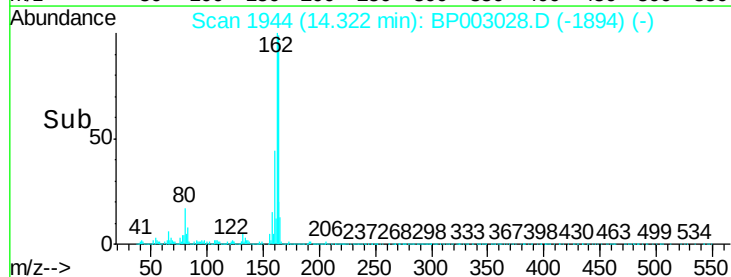
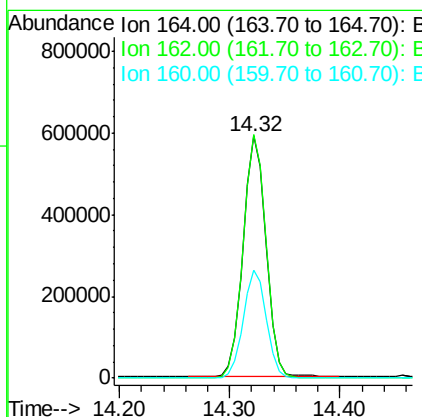
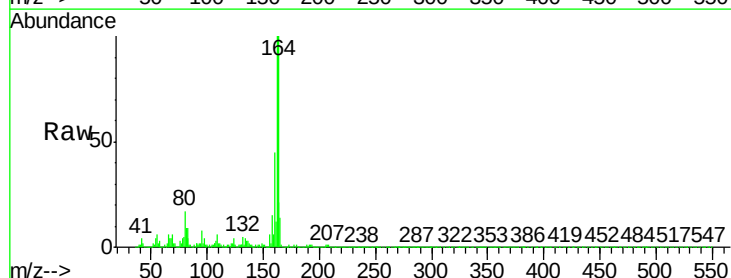
Instrument :
BNA_P
ClientSampled :
VB-27207

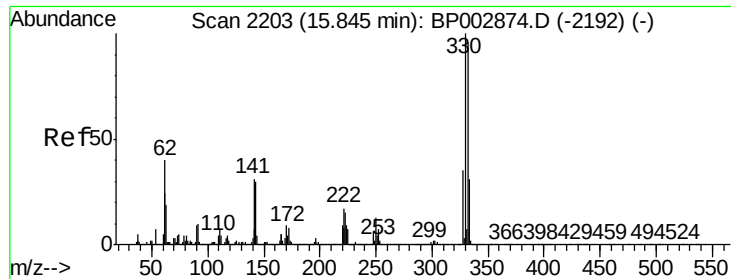
Tot Ion	Ratio	Lower	Upper
122	100		
105	113.5	96.2	136.2
77	89.4	55.6	95.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.4	122.0
160	44.8	35.5	53.3

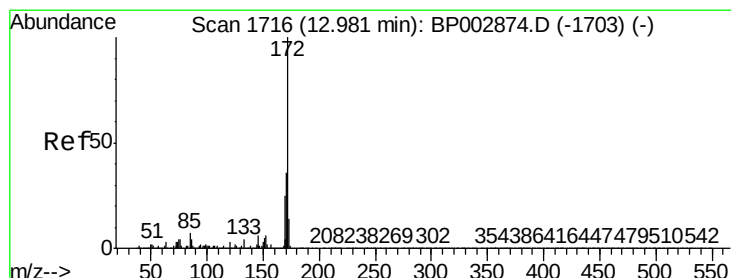
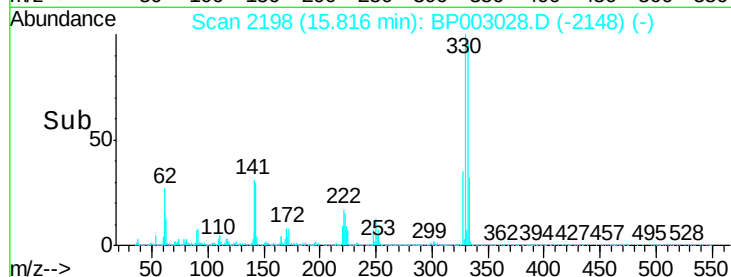
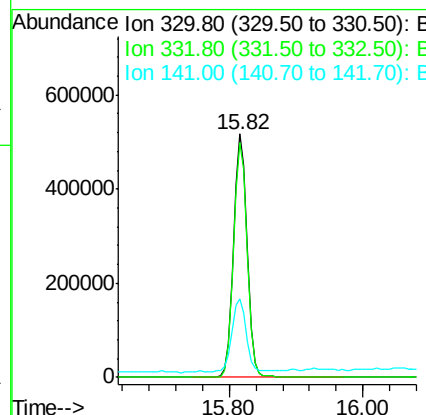
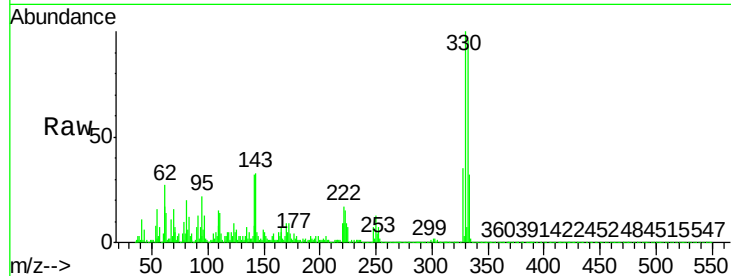




#42
 2,4,6-Tribromophenol
 Concen: 69.889 ng
 RT: 15.82 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BP003028.D
 Acq: 18 Aug 2020 21:22

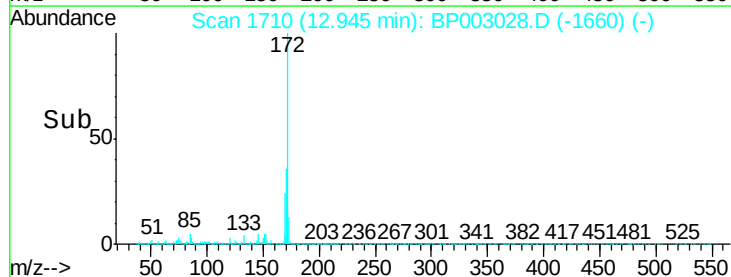
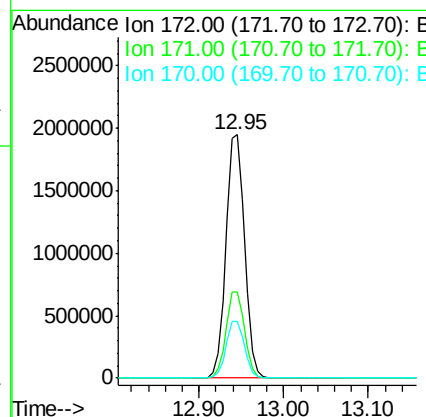
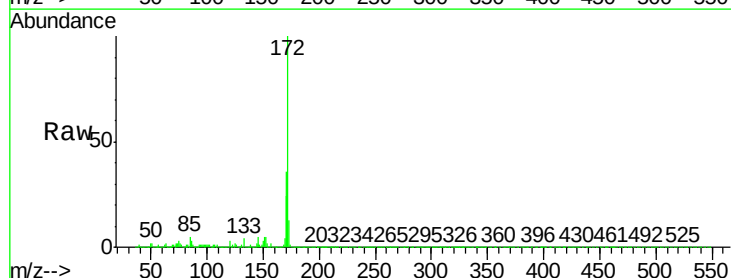
Instrument :
 BNA_P
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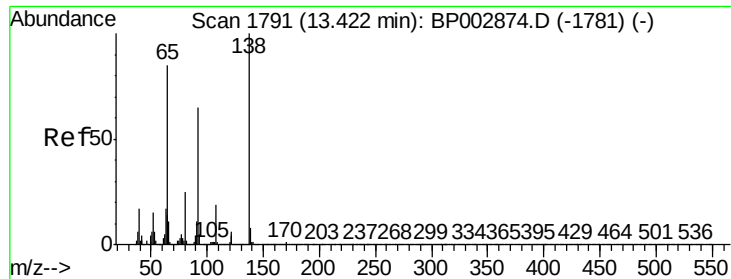
Tot Ion:330 Resp: 745406
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 31.6 26.7 40.1



#45
 2-Fluorobiphenyl
 Concen: 47.413 ng
 RT: 12.95 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BP003028.D
 Acq: 18 Aug 2020 21:22

Tgt Ion:172 Resp: 2977855
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.0 43.4
 170 23.5 19.1 28.7





#48

2-Nitroaniline

Concen: 4.012 ng

RT: 13.39 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Instrument :

BNA_P

ClientSampleId :

VB-27207

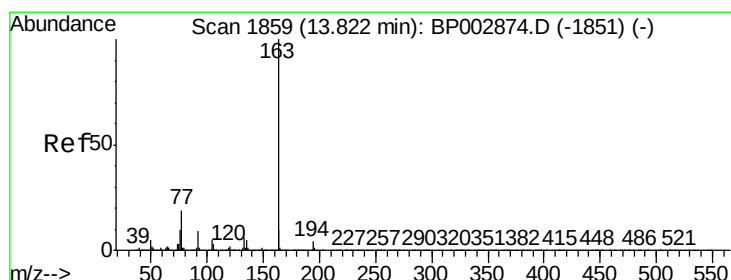
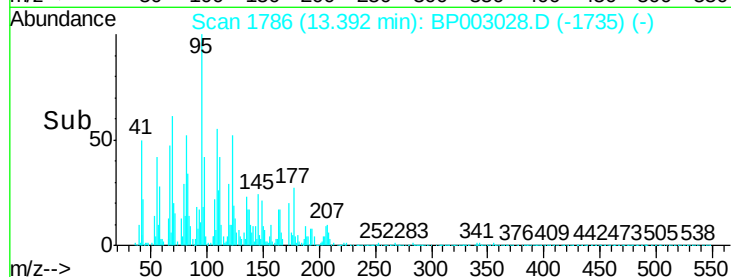
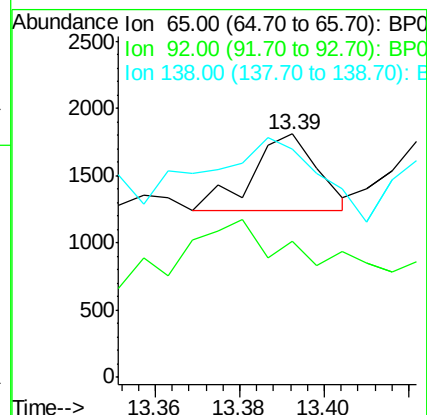
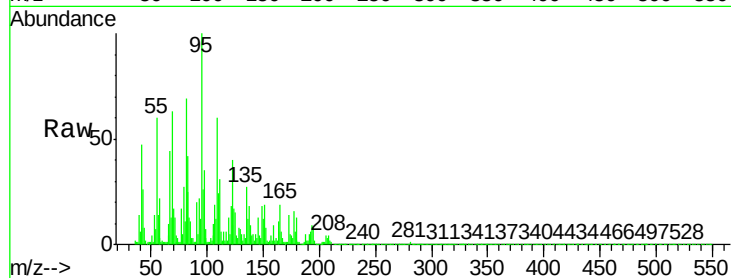
Tot Ion: 65 Resp: 616

Ion Ratio Lower Upper

65 100

92 55.8 70.1 105.1#

138 93.7 129.7 194.5#



#50

Dimethylphthalate

Concen: 5.867 ng

RT: 13.78 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

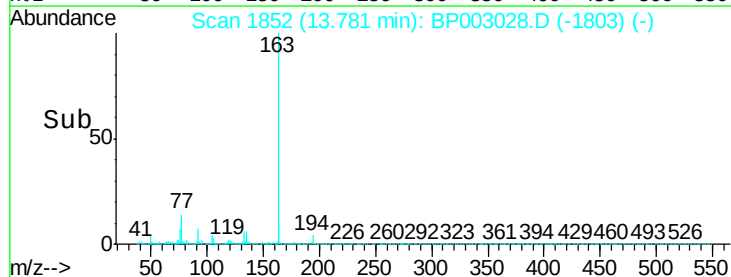
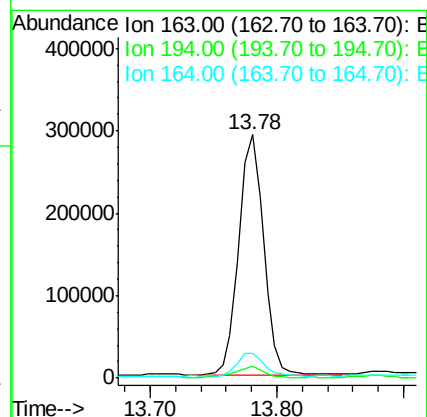
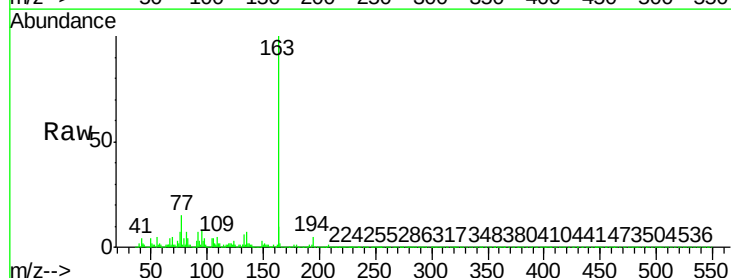
Tgt Ion: 163 Resp: 393747

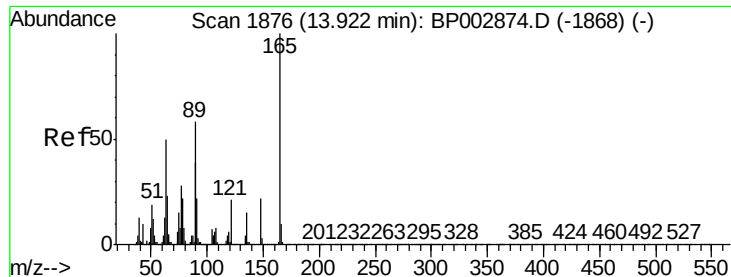
Ion Ratio Lower Upper

163 100

194 4.8 3.3 4.9

164 10.3 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 6.327 ng

RT: 13.87 min Scan# 1868

Delta R.T. -0.02 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Instrument :

BNA_P

ClientSampleId :

VB-27207

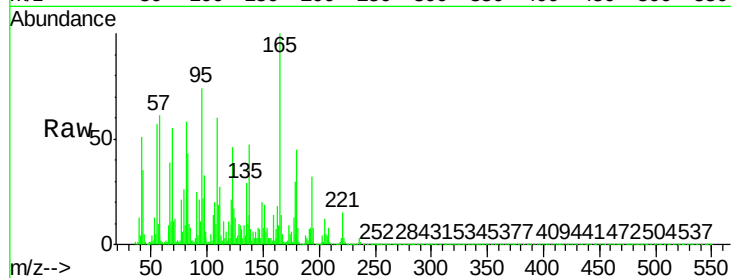
Tot Ion:165 Resp: 55198

Ion Ratio Lower Upper

165 100

63 1.9 28.1 42.1#

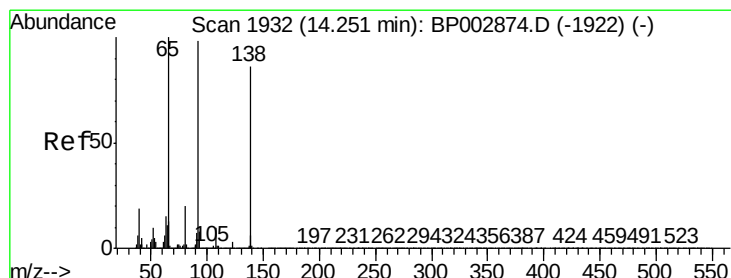
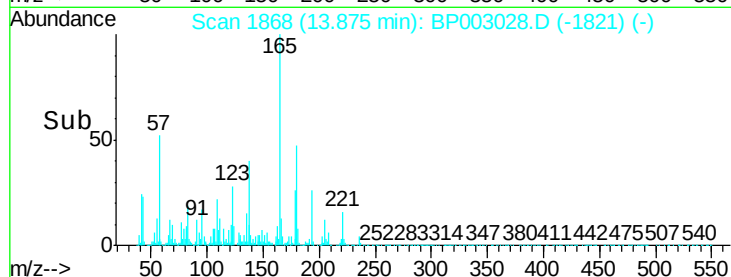
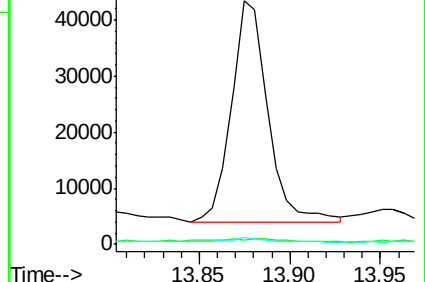
89 2.7 34.5 51.7#



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



#53

3-Nitroaniline

Concen: 3.387 ng

RT: 14.25 min Scan# 1931

Delta R.T. 0.02 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

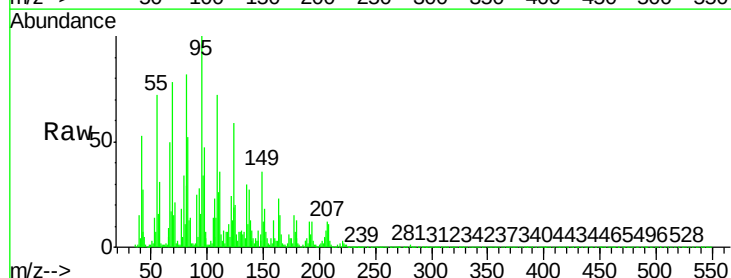
Tgt Ion:138 Resp: 1930

Ion Ratio Lower Upper

138 100

108 111.3 7.7 11.5#

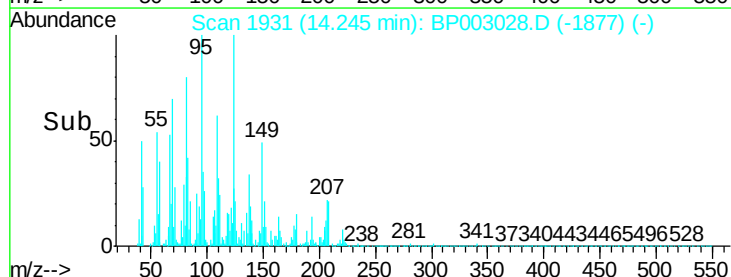
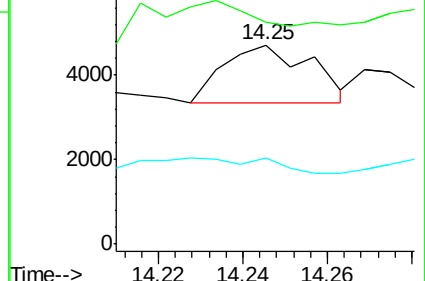
92 43.2 75.6 113.4#

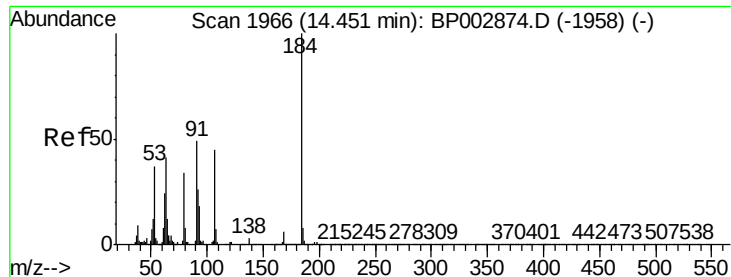


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BP0

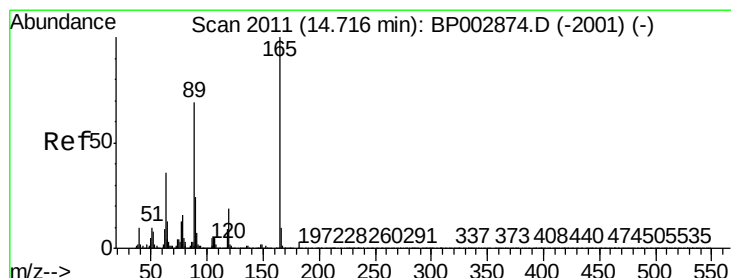
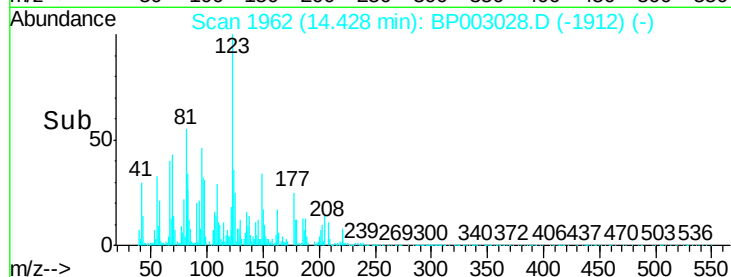
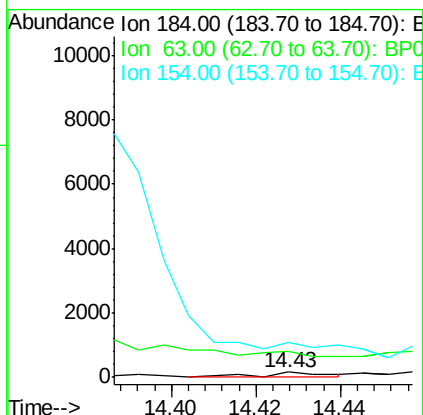
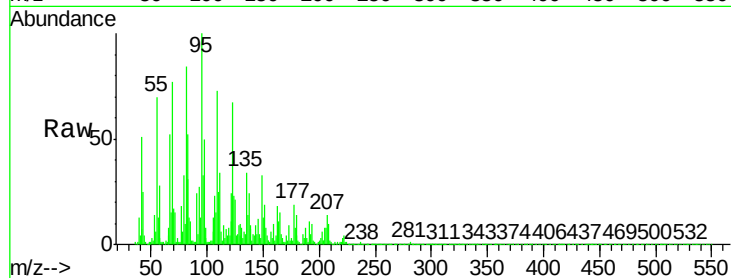




#54
2,4-Dinitrophenol
Concen: 8.074 ng
RT: 14.43 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

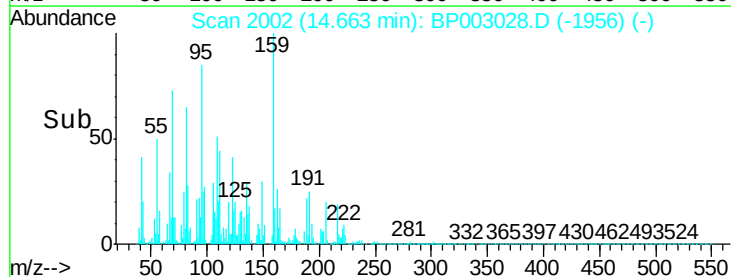
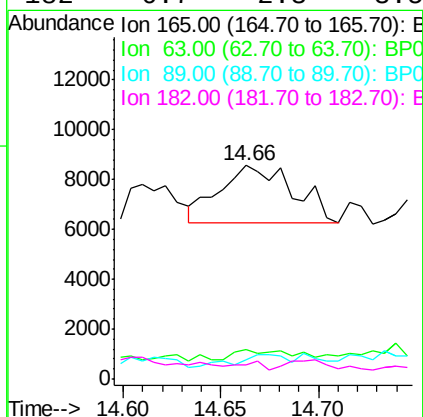
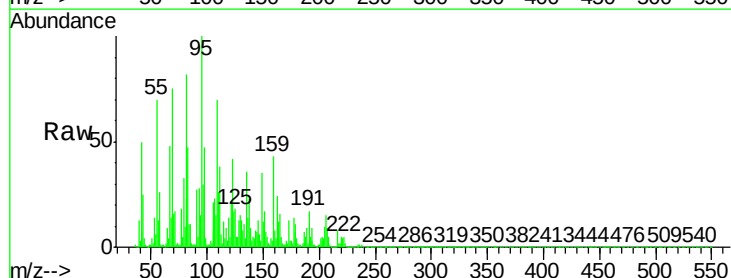
Instrument :
BNA_P
ClientSampleId :
VB-27207

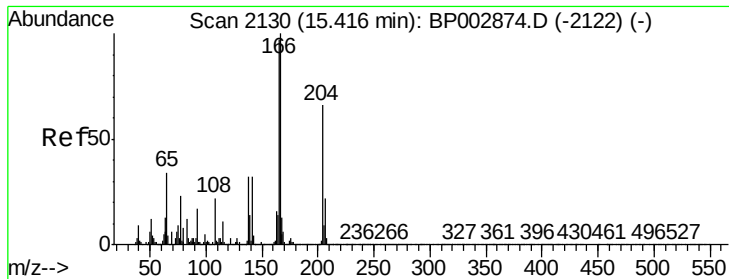
Tot Ion:184 Resp: 122
Ion Ratio Lower Upper
184 100
63 499.4 33.0 49.6#
154 679.5 46.8 70.2#



#57
2,4-Dinitrotoluene
Concen: 4.080 ng
RT: 14.66 min Scan# 2002
Delta R.T. -0.03 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

Tgt Ion:165 Resp: 5928
Ion Ratio Lower Upper
165 100
63 13.5 20.6 31.0#
89 8.8 43.4 65.0#
182 6.7 2.3 3.5#





#62

4-Nitroaniline

Concen: 2.483 ng

RT: 15.40 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Instrument :

BNA_P

ClientSampleId :

VB-27207

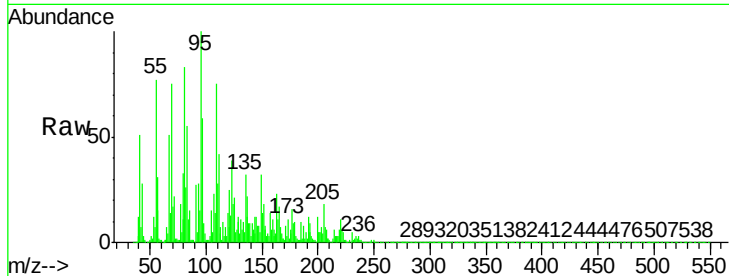
Tot Ion:138 Resp: 1093

Ion Ratio Lower Upper

138 100

92 54.4 21.4 61.4

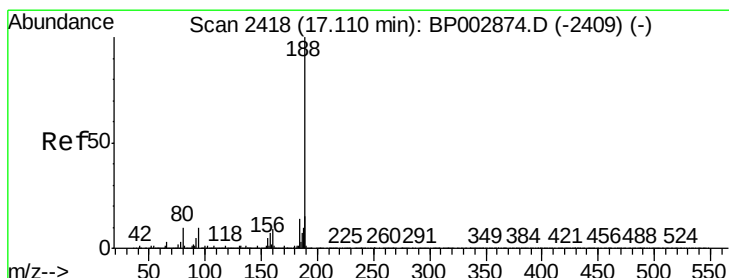
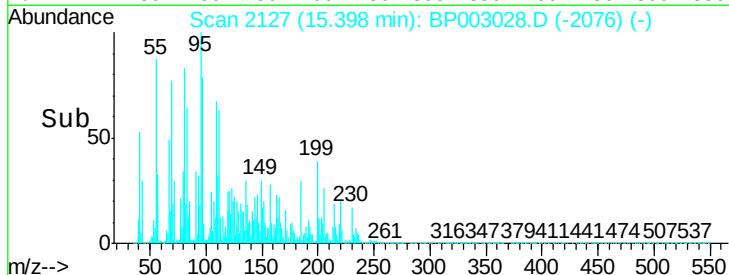
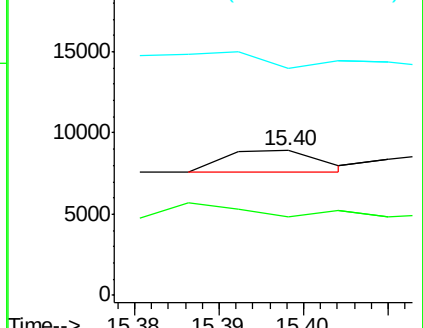
108 156.9 40.8 80.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BP0

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

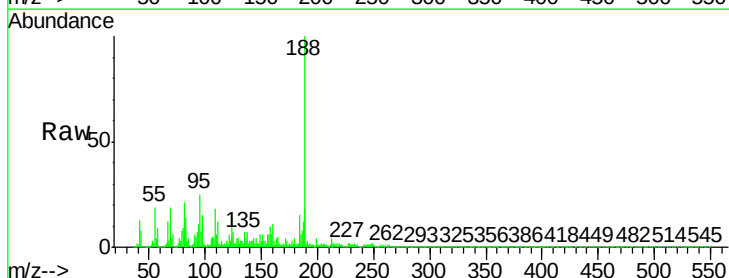
Tgt Ion:188 Resp: 1365627

Ion Ratio Lower Upper

188 100

94 10.6 7.1 10.7

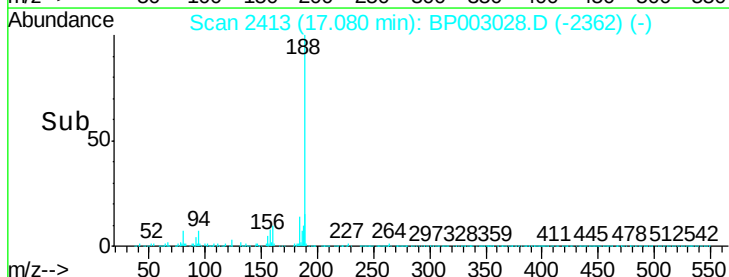
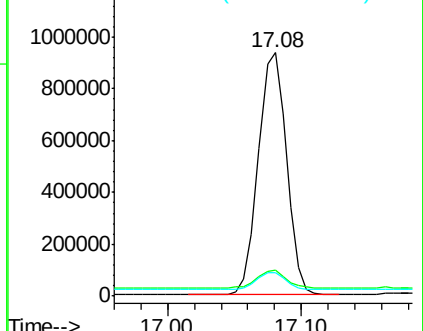
80 9.5 6.7 10.1

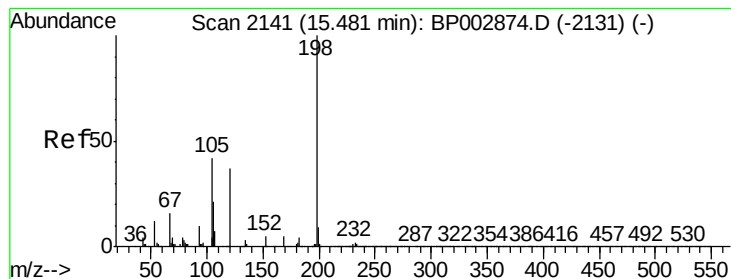


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.924 ng

RT: 15.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Instrument :

BNA_P

ClientSampleId :

VB-27207

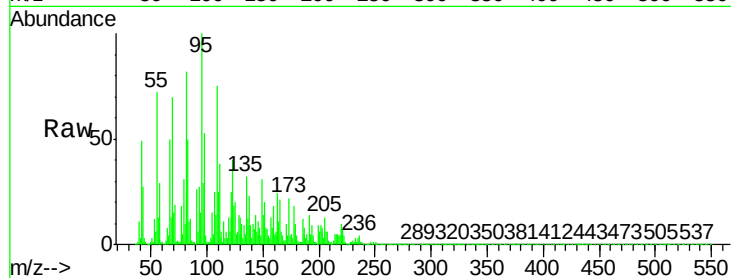
Tot Ion:198 Resp: 198

Ion Ratio Lower Upper

198 100

51 355.6 6.2 46.2#

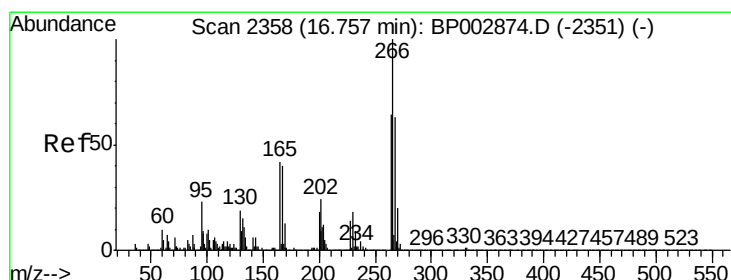
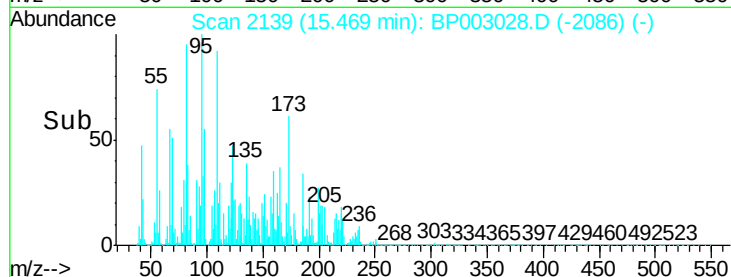
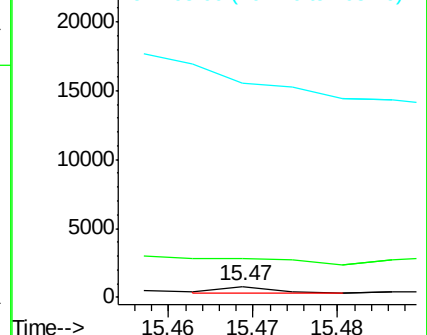
105 1958.5 19.9 59.9#



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



#70

Pentachlorophenol

Concen: 48.332 ng

RT: 16.73 min Scan# 2354

Delta R.T. -0.00 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

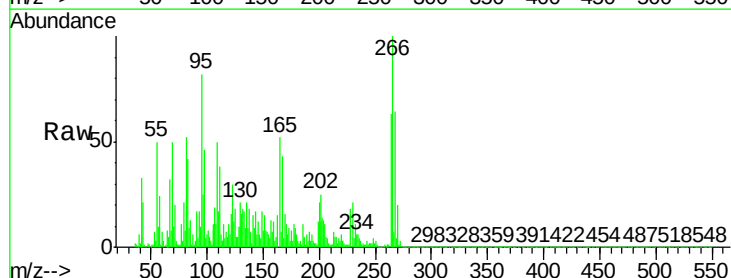
Tgt Ion:266 Resp: 481635

Ion Ratio Lower Upper

266 100

268 64.2 50.9 76.3

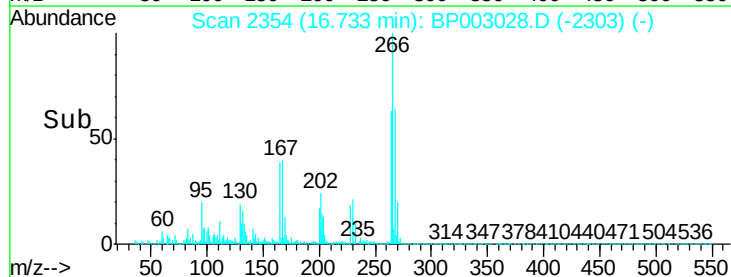
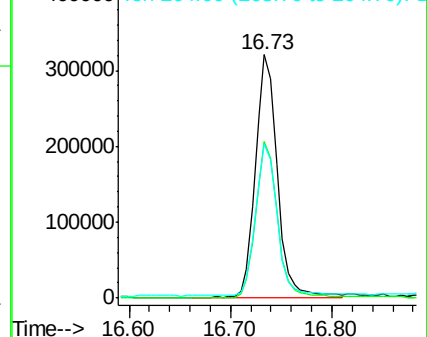
264 63.0 50.4 75.6

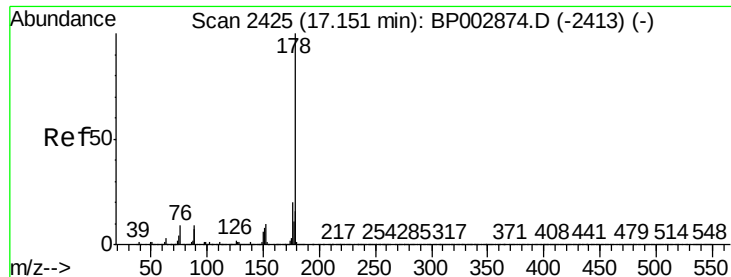


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 4.719 ng

RT: 17.12 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Instrument :

BNA_P

ClientSampleId :

VB-27207

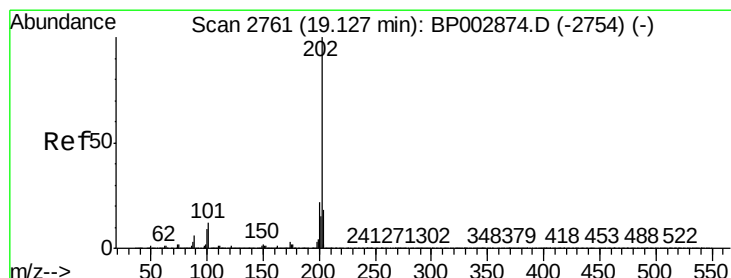
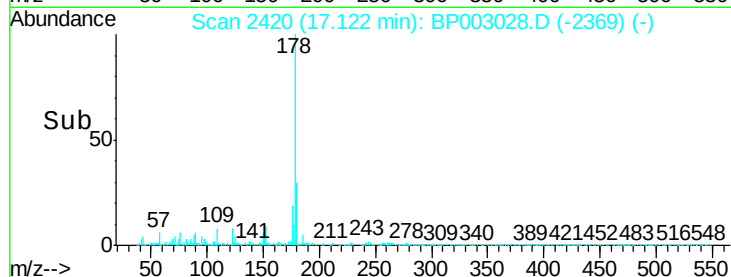
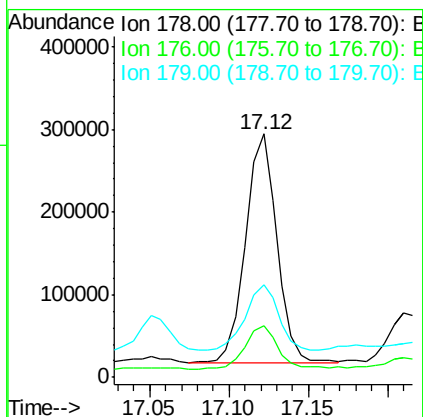
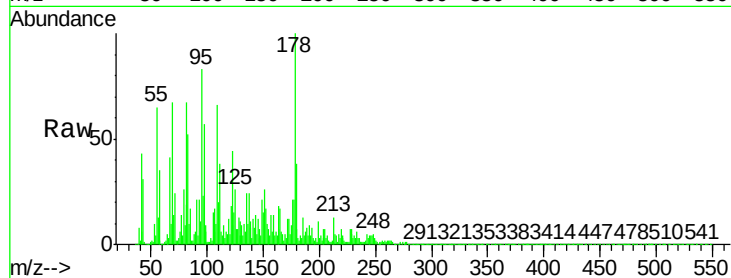
Tot Ion:178 Resp: 377898

Ion Ratio Lower Upper

178 100

176 21.1 15.8 23.8

179 37.8 12.9 19.3#



#75

Fluoranthene

Concen: 14.083 ng

RT: 19.10 min Scan# 2756

Delta R.T. -0.00 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

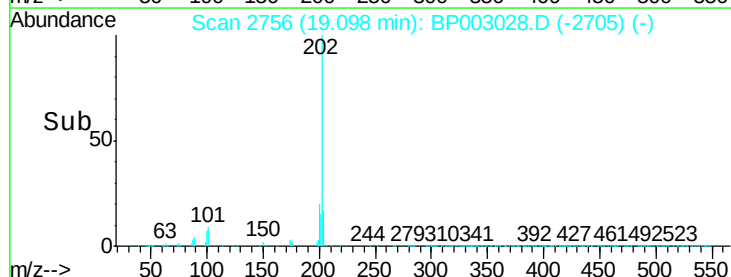
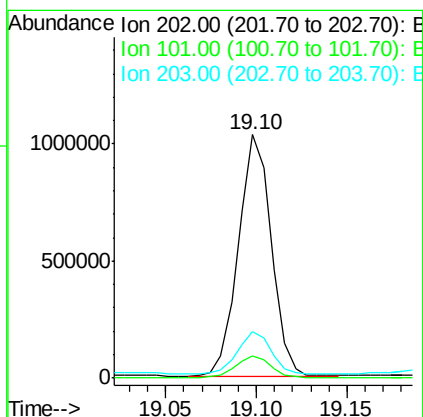
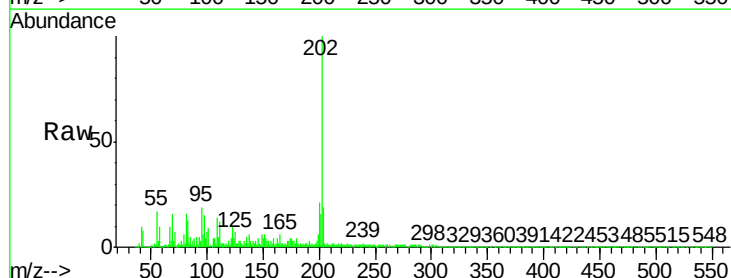
Tgt Ion:202 Resp: 1299326

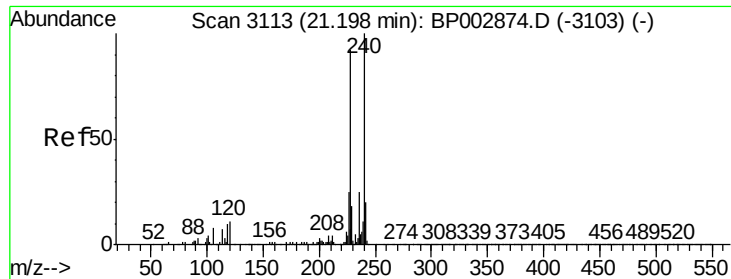
Ion Ratio Lower Upper

202 100

101 9.2 0.0 31.2

203 19.1 0.0 38.4

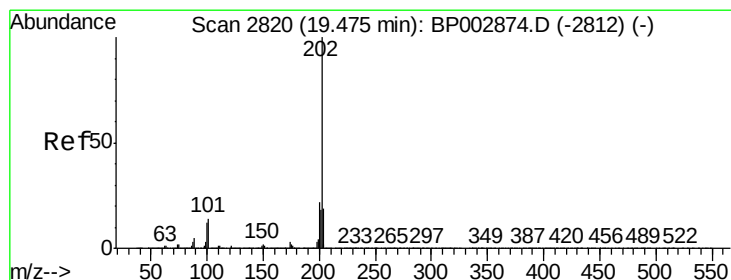
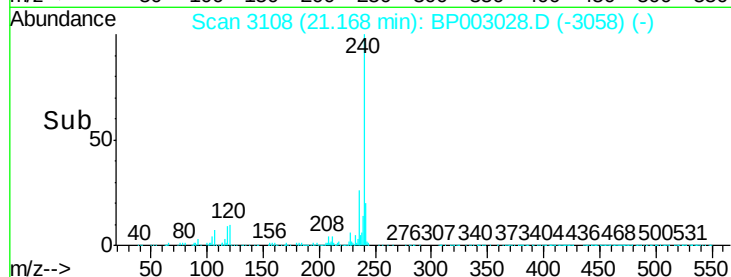
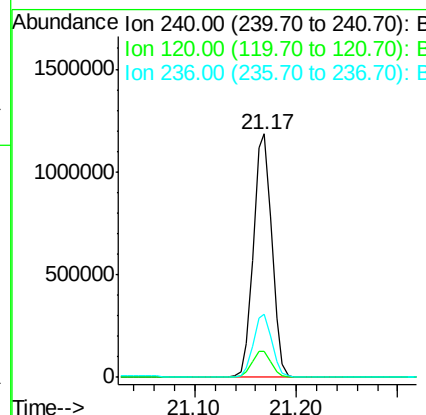
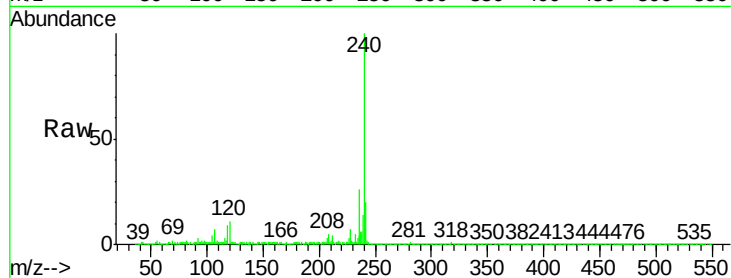




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

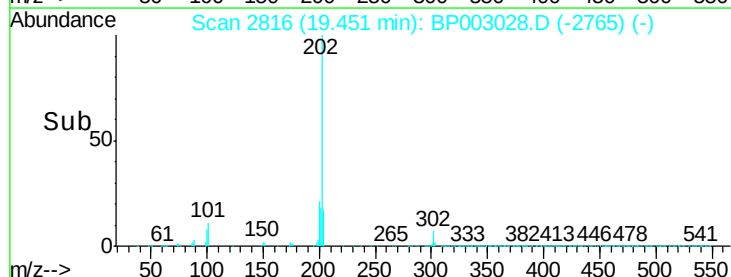
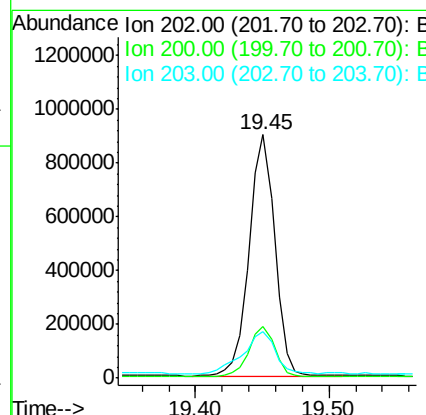
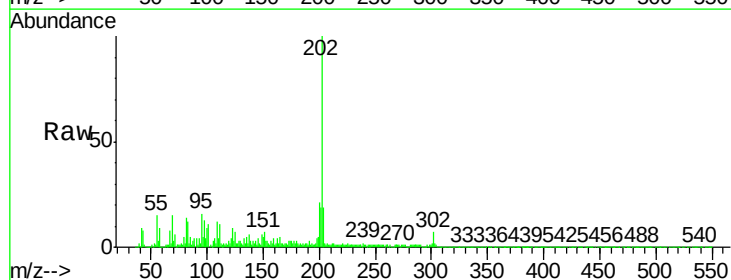
Instrument :
BNA_P
ClientSampleId :
VB-27207

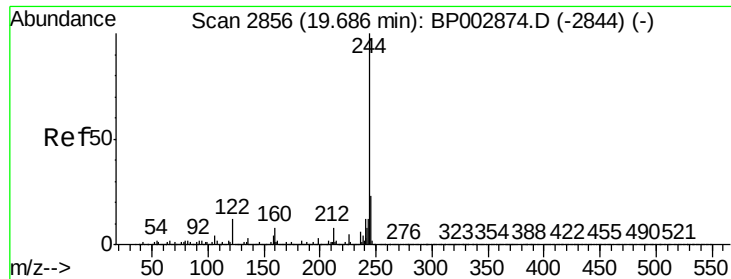
Tot Ion:240 Resp: 1487386
Ion Ratio Lower Upper
240 100
120 10.5 9.5 14.3
236 26.1 20.8 31.2



#78
Pyrene
Concen: 11.356 ng
RT: 19.45 min Scan# 2816
Delta R.T. -0.00 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

Tgt Ion:202 Resp: 1180766
Ion Ratio Lower Upper
202 100
200 21.4 17.8 26.6
203 19.0 14.6 22.0





#79

Terphenyl-d14

Concen: 42.216 ng

RT: 19.66 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Instrument :

BNA_P

ClientSampleId :

VB-27207

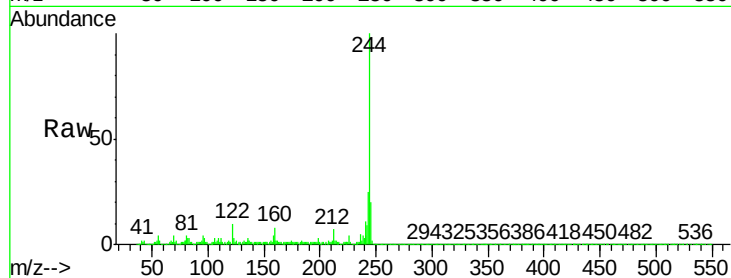
Tot Ion:244 Resp: 3136508

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

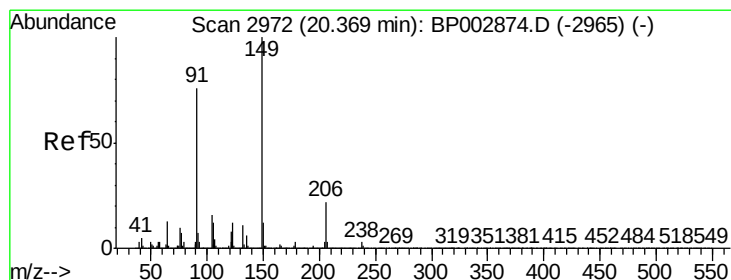
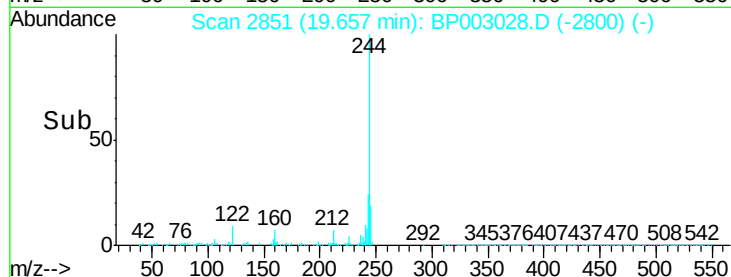
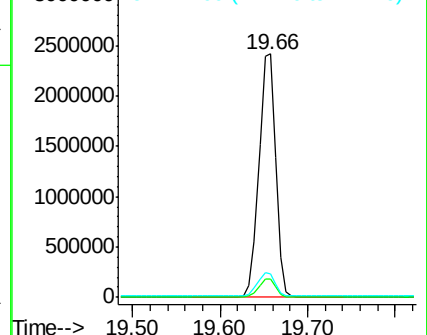
122 9.7 8.7 13.1



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



#80

Butylbenzylphthalate

Concen: 3.239 ng

RT: 20.33 min Scan# 2966

Delta R.T. -0.01 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

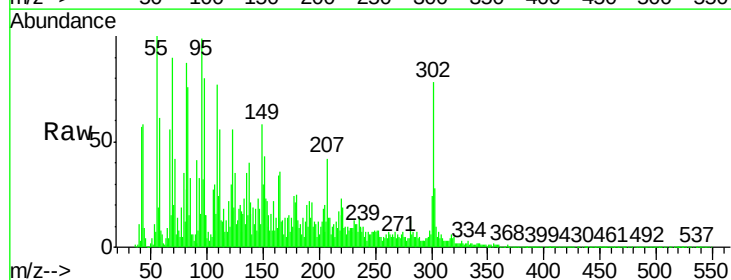
Tgt Ion:149 Resp: 8173

Ion Ratio Lower Upper

149 100

91 71.0 45.3 67.9#

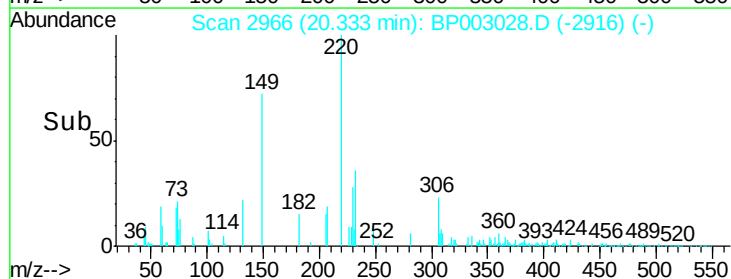
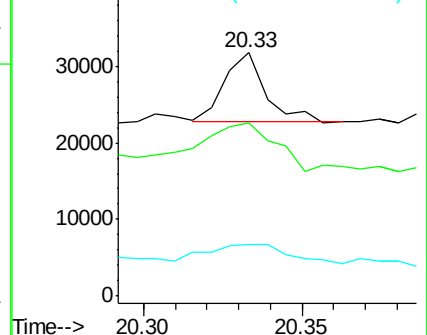
206 21.4 17.5 26.3

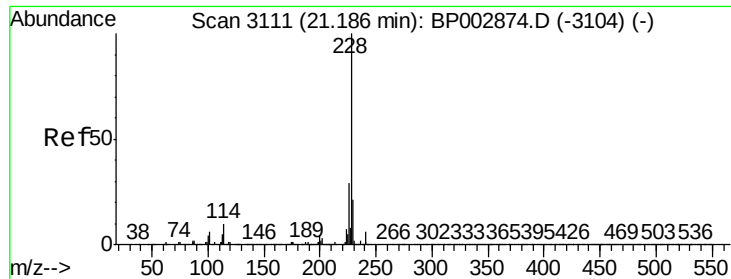


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 6.323 ng

RT: 21.15 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Instrument :

BNA_P

ClientSampleId :

VB-27207

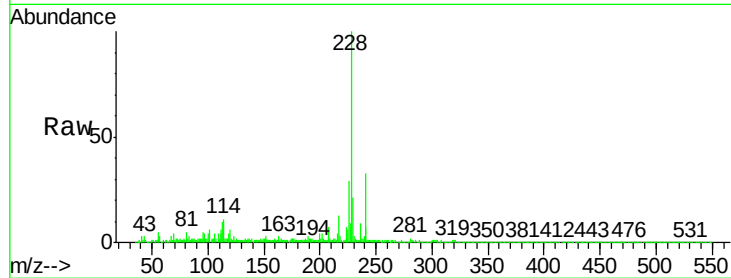
Tot Ion:228 Resp: 640651

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

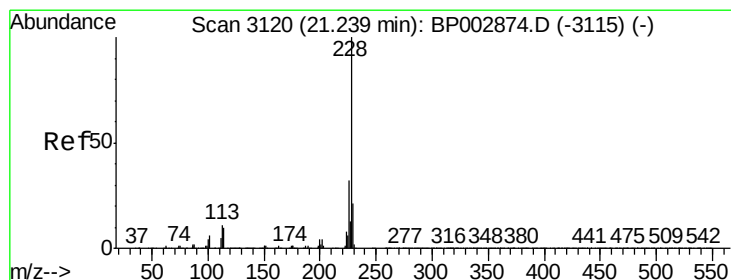
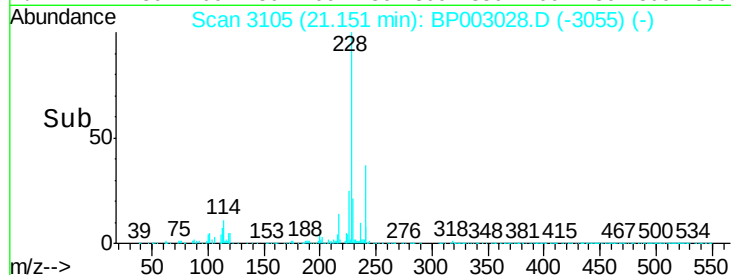
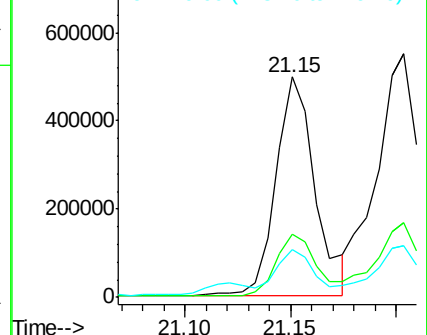
229 21.5 16.5 24.7



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: 7.988 ng

RT: 21.20 min Scan# 3114

Delta R.T. -0.01 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

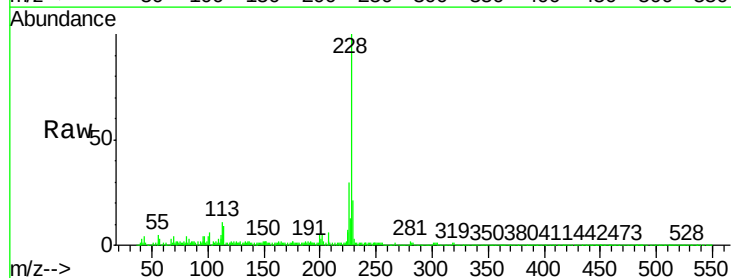
Tgt Ion:228 Resp: 763403

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

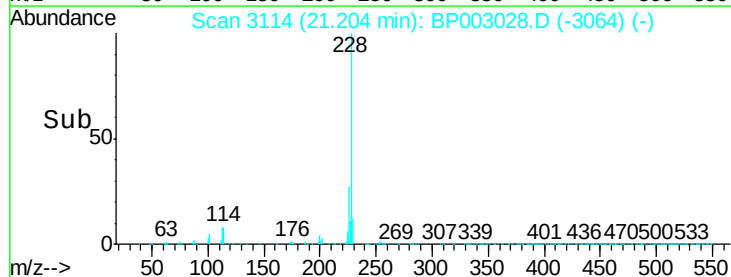
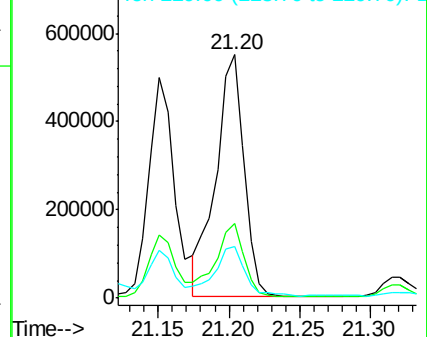
229 21.5 16.3 24.5

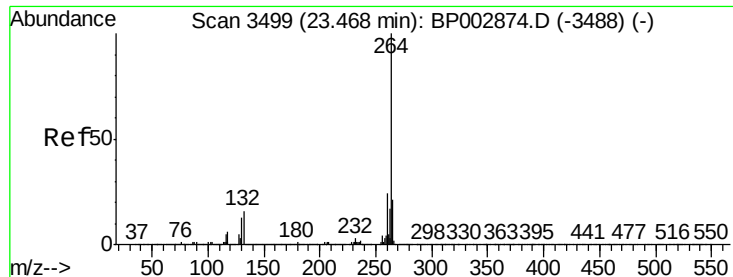


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

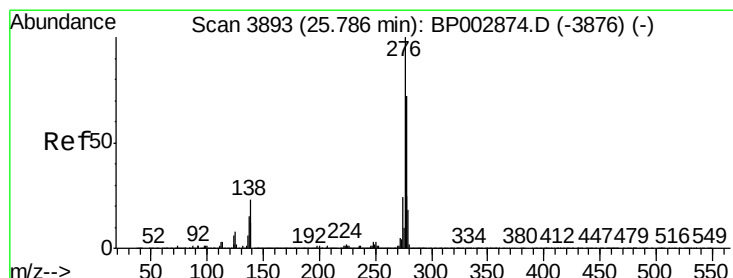
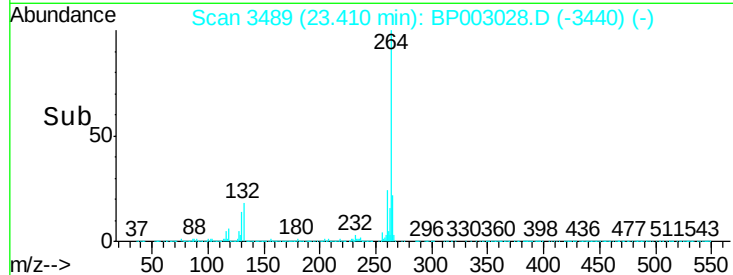
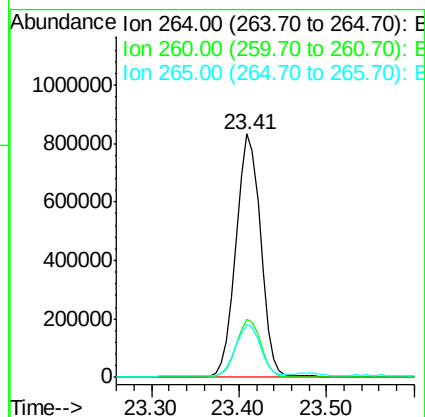
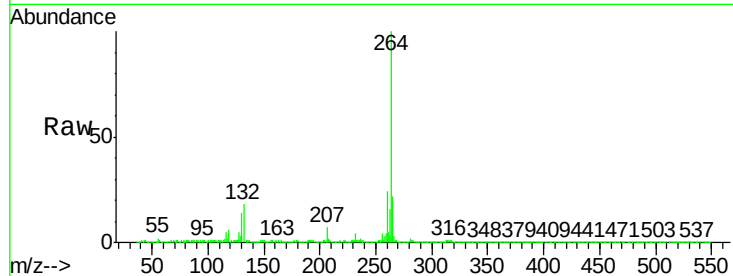




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.41 min Scan# 3489
Delta R.T. -0.01 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

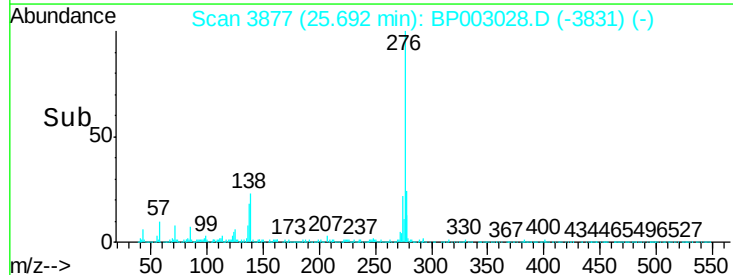
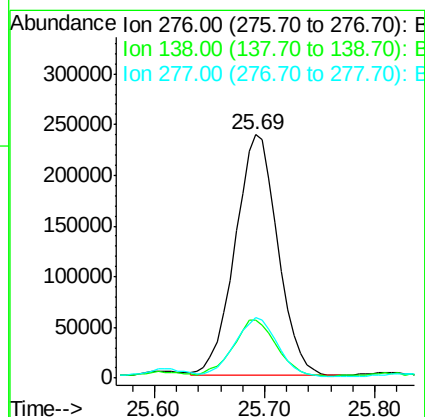
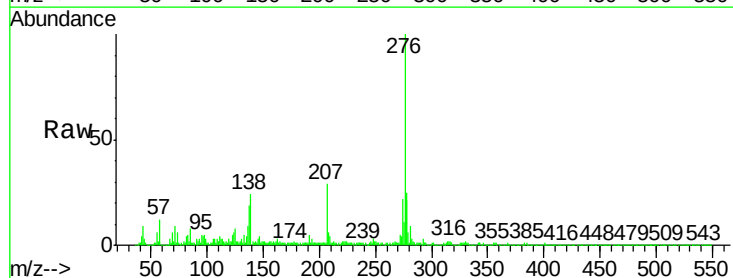
Instrument :
BNA_P
ClientSampled :
VB-27207

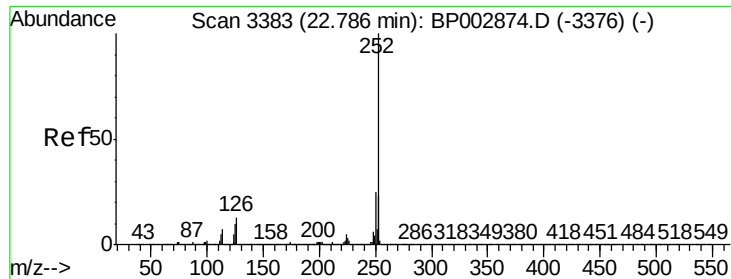
Tot Ion:264 Resp: 1577036
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.0 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.089 ng
RT: 25.69 min Scan# 3877
Delta R.T. -0.03 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

Tgt Ion:276 Resp: 642744
Ion Ratio Lower Upper
276 100
138 23.5 22.2 33.2
277 24.8 20.4 30.6

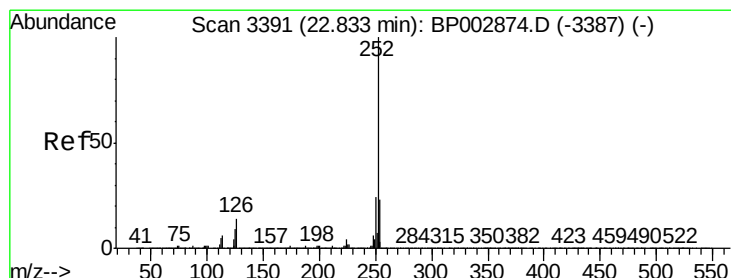
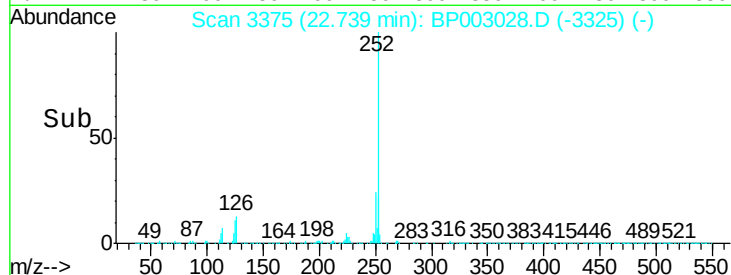
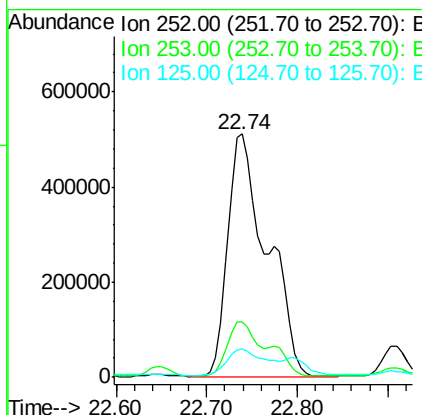
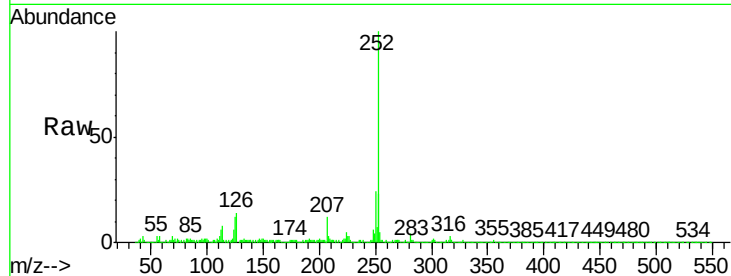




#88
Benzo(b)fluoranthene
Concen: 13.843 ng
RT: 22.74 min Scan# 3375
Delta R.T. -0.01 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

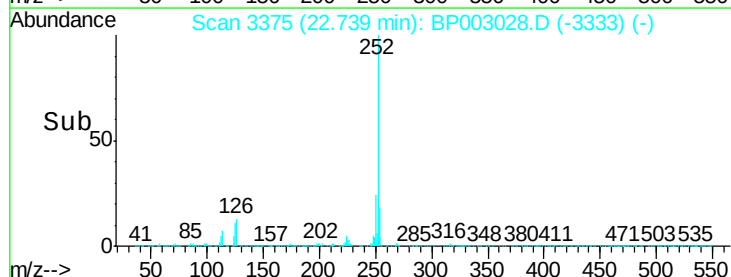
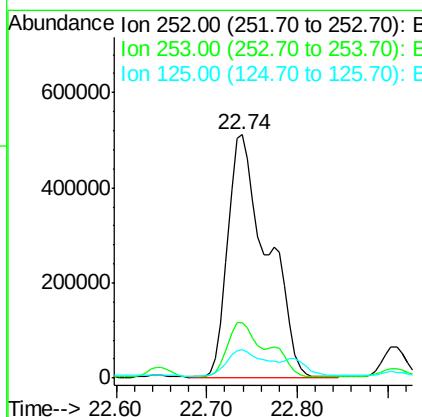
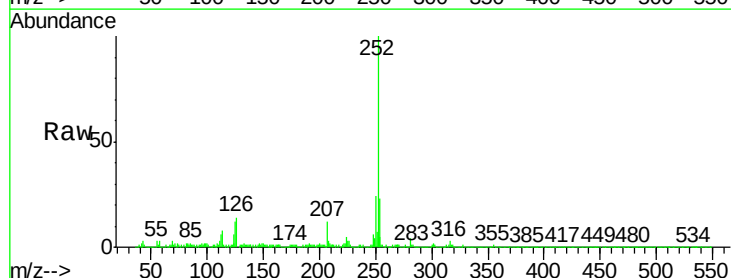
Instrument :
BNA_P
ClientSampleId :
VB-27207

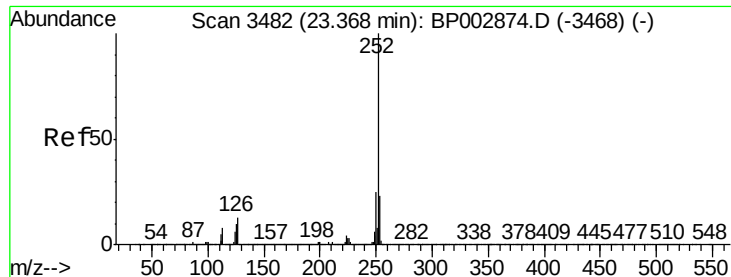
Tot Ion:252 Resp: 1540524
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 11.7 9.4 14.2



#89
Benzo(k)fluoranthene
Concen: 14.646 ng
RT: 22.74 min Scan# 3375
Delta R.T. -0.05 min
Lab File: BP003028.D
Acq: 18 Aug 2020 21:22

Tgt Ion:252 Resp: 1540524
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 11.7 9.3 13.9





#90

Benzo(a)pyrene

Concen: 6.782 ng

RT: 23.31 min Scan# 3472

Delta R.T. -0.02 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

Instrument :

BNA_P

ClientSampleId :

VB-27207

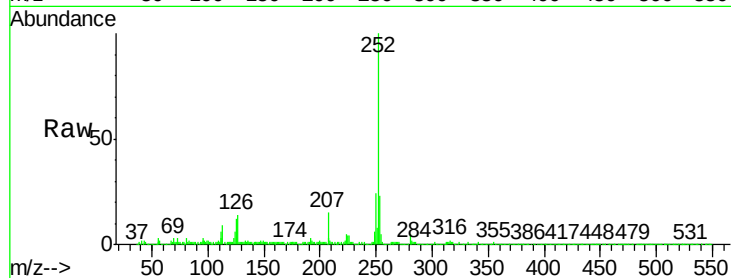
Tot Ion:252 Resp: 681936

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

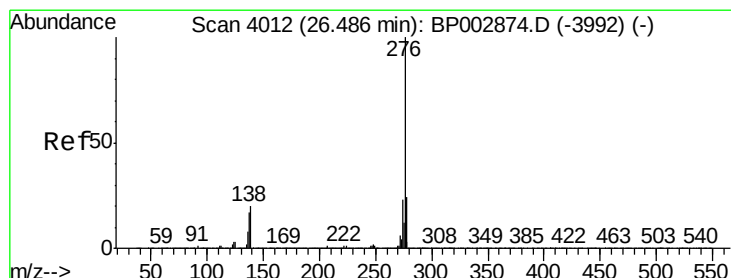
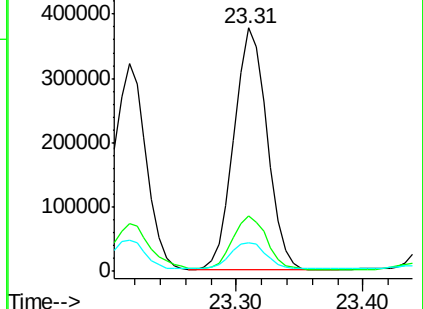
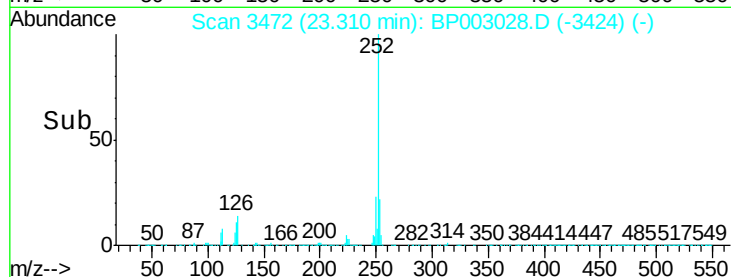
125 11.6 9.9 14.9



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: 5.927 ng

RT: 26.39 min Scan# 3996

Delta R.T. -0.03 min

Lab File: BP003028.D

Acq: 18 Aug 2020 21:22

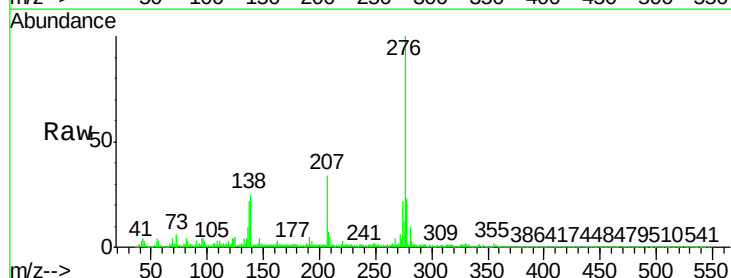
Tgt Ion:276 Resp: 616069

Ion Ratio Lower Upper

276 100

277 23.1 19.1 28.7

138 25.1 19.3 28.9



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

