

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041221\
 Data File : BP005275.D
 Acq On : 12 Apr 2021 20:15
 Operator : CG/JU
 Sample : M1997-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 801-675

Quant Time: Apr 13 00:27:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 09 18:44:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

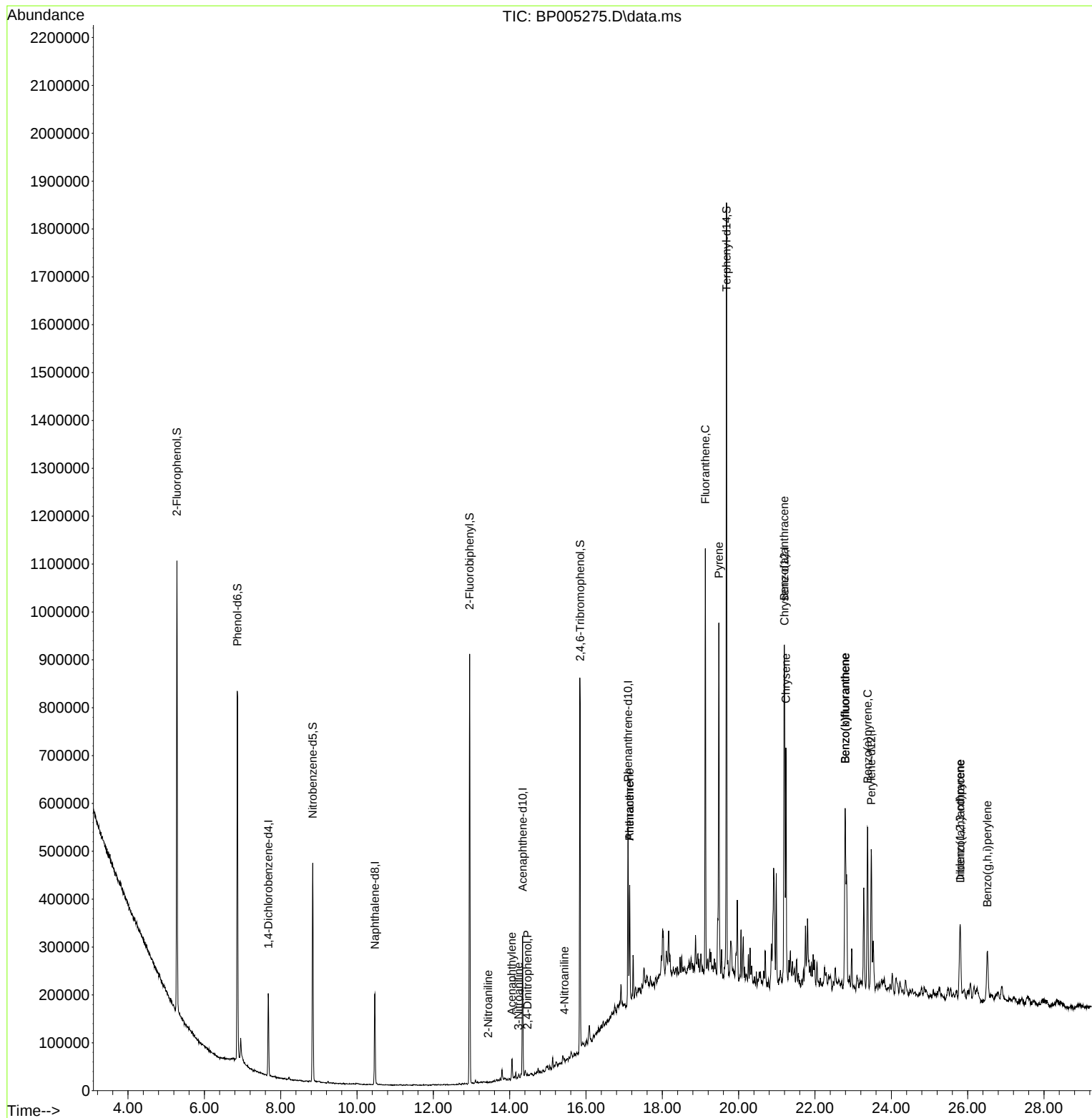
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	39033	20.00	ng	0.00
21) Naphthalene-d8	10.469	136	129639	20.00	ng	# 0.00
39) Acenaphthene-d10	14.339	164	80234	20.00	ng	0.00
64) Phenanthrene-d10	17.104	188	181807	20.00	ng	# 0.00
76) Chrysene-d12	21.204	240	199637	20.00	ng	0.00
86) Perylene-d12	23.474	264	197278	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	386709	103.97	ng	0.00
7) Phenol-d6	6.863	99	422018	99.45	ng	0.00
23) Nitrobenzene-d5	8.840	82	278074	67.64	ng	0.00
42) 2,4,6-Tribromophenol	15.845	330	108664	107.29	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	378680	63.72	ng	0.00
79) Terphenyl-d14	19.680	244	614473	60.46	ng	0.00
Target Compounds						Qvalue
48) 2-Nitroaniline	13.439	65	69	3.55	ng	# 5
49) Acenaphthylene	14.057	152	26773	3.60	ng	96
53) 3-Nitroaniline	14.234	138	322	2.71	ng	# 27
54) 2,4-Dinitrophenol	14.469	184	31	6.18	ng	# 1
62) 4-Nitroaniline	15.439	138	107	2.15	ng	# 1
71) Phenanthrene	17.145	178	119919	11.67	ng	99
72) Anthracene	17.145	178	119919	12.04	ng	99
75) Fluoranthene	19.127	202	433883	34.42	ng	99
78) Pyrene	19.480	202	398319	32.10	ng	99
81) Benzo(a)anthracene	21.192	228	275274	20.90	ng	97
83) Chrysene	21.239	228	240337	18.76	ng	98
87) Indeno(1,2,3-cd)pyrene	25.804	276	146470	9.71	ng	# 91
88) Benzo(b)fluoranthene	22.792	252	310987	24.08	ng	97
89) Benzo(k)fluoranthene	22.792	252	310987	25.13	ng	97
90) Benzo(a)pyrene	23.380	252	239800	20.07	ng	96
91) Dibenzo(a,h)anthracene	25.809	278	40989	3.12	ng	95
92) Benzo(g,h,i)perylene	26.515	276	137428	10.81	ng	# 92

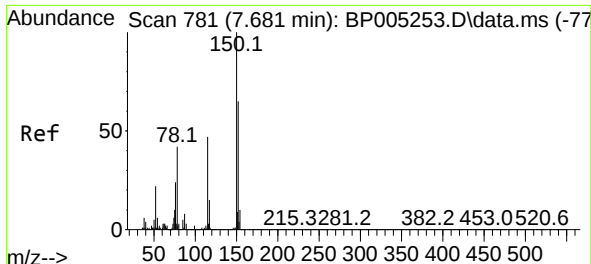
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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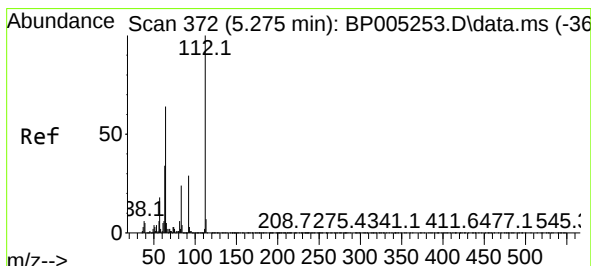
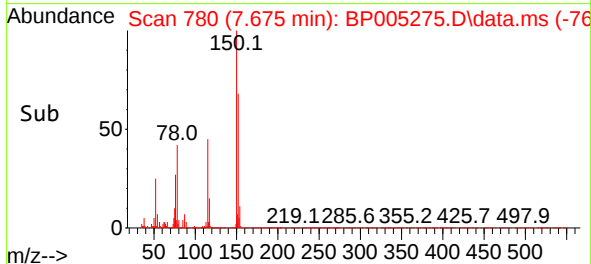
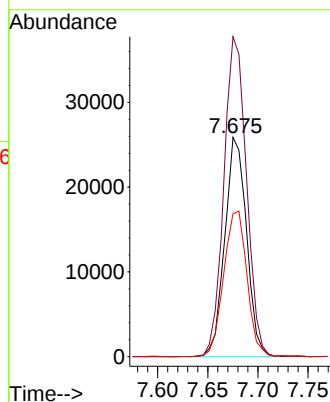
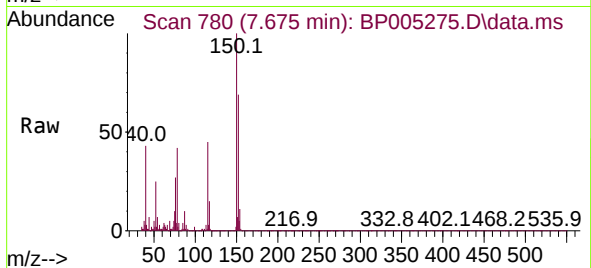




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

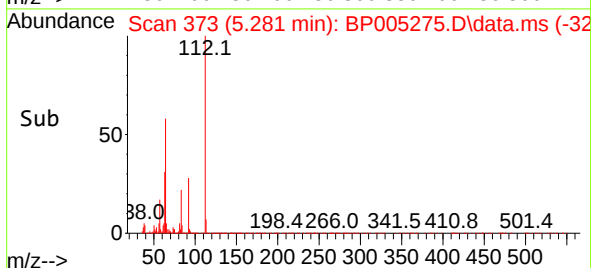
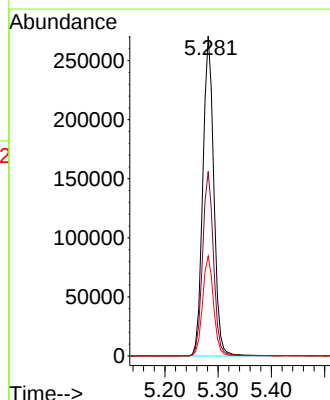
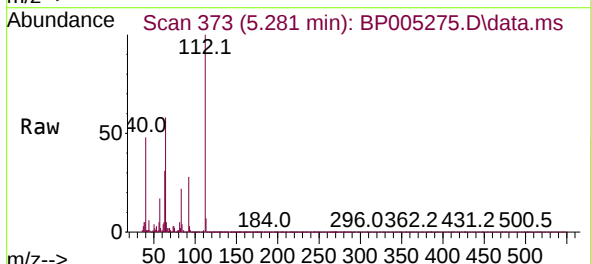
Instrument :
BNA_P
ClientSampleId :
801-675

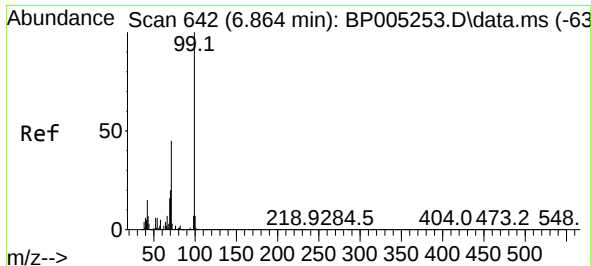
Tgt Ion:152 Resp: 39033
Ion Ratio Lower Upper
152 100
150 145.9 123.8 185.6
115 65.2 43.8 65.6



#5
2-Fluorophenol
Concen: 103.97 ng
RT: 5.281 min Scan# 373
Delta R.T. 0.006 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:112 Resp: 386709
Ion Ratio Lower Upper
112 100
64 57.7 32.8 49.2#
63 31.2 17.0 25.4#

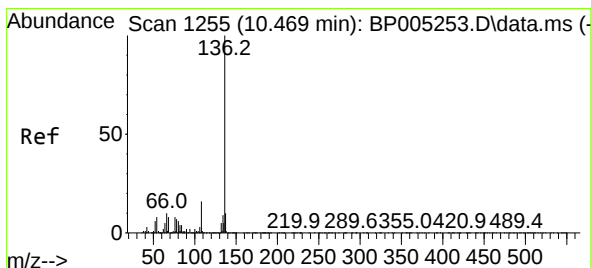
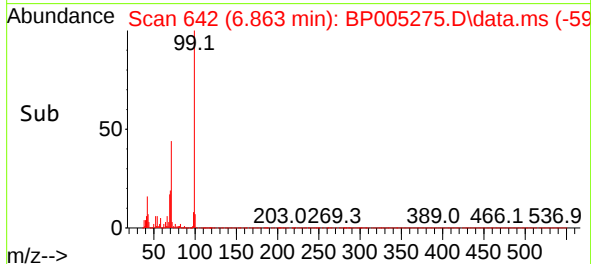
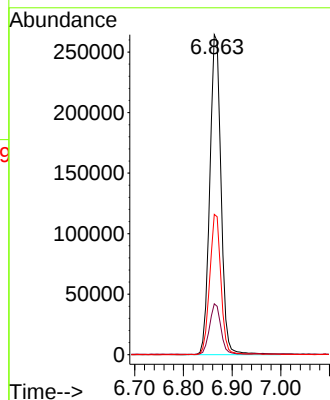
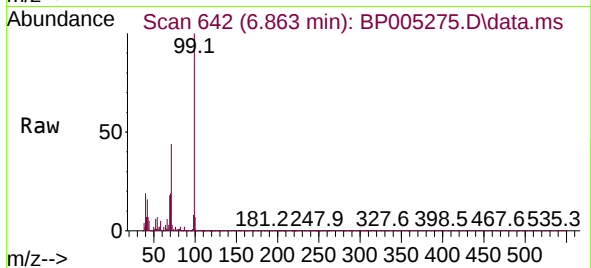




#7
Phenol-d6
Concen: 99.45 ng
RT: 6.863 min Scan# 642
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

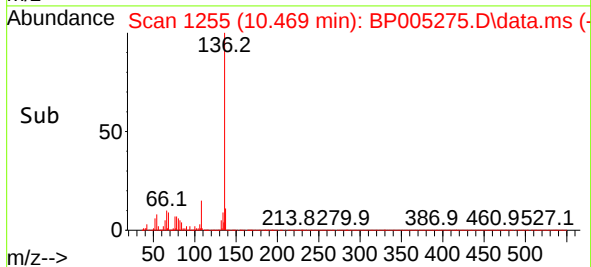
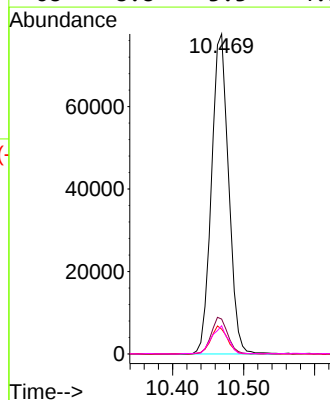
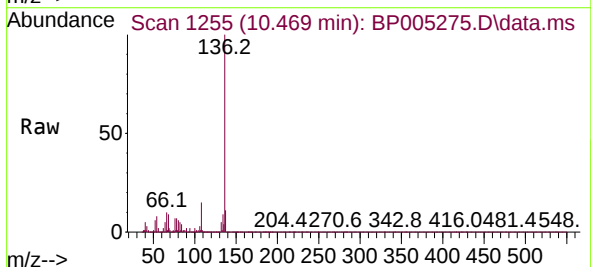
Instrument :
BNA_P
ClientSampleId :
801-675

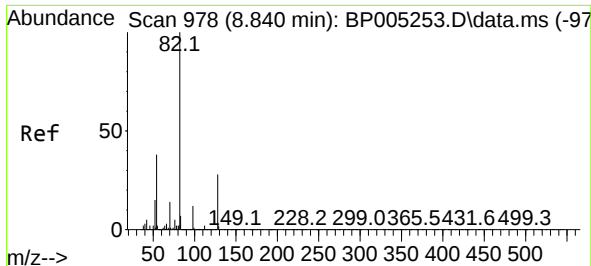
Tgt Ion: 99 Resp: 422018
Ion Ratio Lower Upper
99 100
42 15.9 8.6 13.0#
71 43.8 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.469 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion: 136 Resp: 129639
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.8 3.6 5.4#
68 8.8 3.3 4.9#

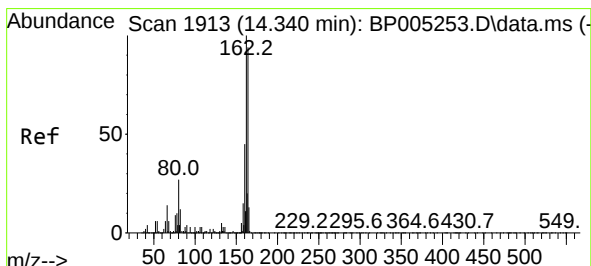
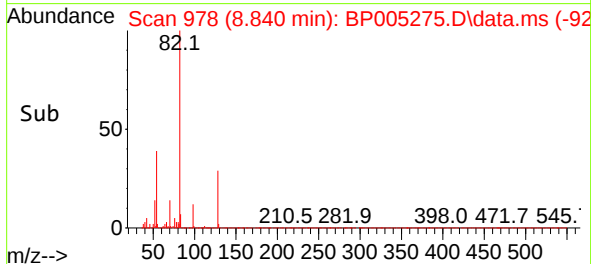
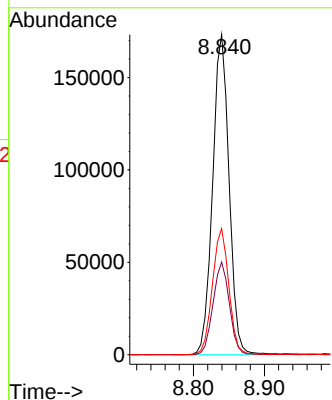
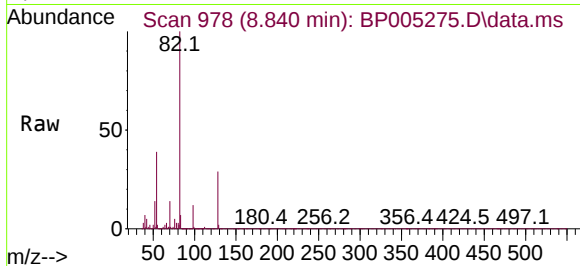




#23
Nitrobenzene-d5
Concen: 67.64 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

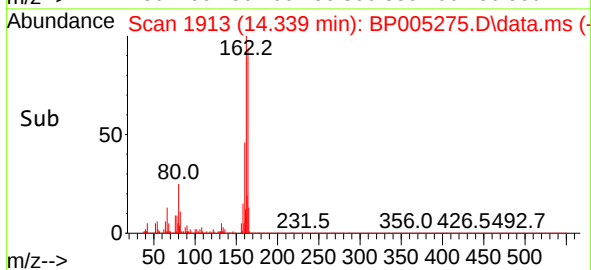
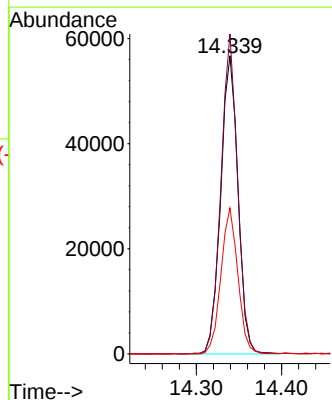
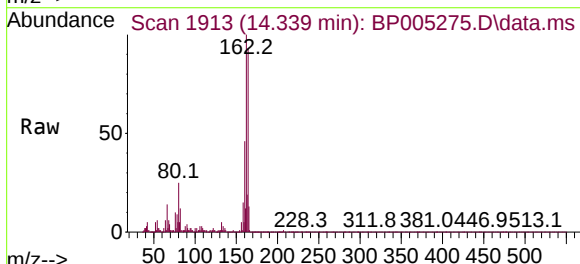
Instrument :
BNA_P
ClientSampleId :
801-675

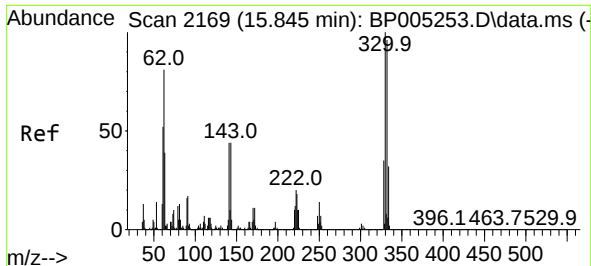
Tgt Ion: 82 Resp: 278074
Ion Ratio Lower Upper
82 100
128 29.0 45.6 68.4#
54 39.4 30.1 45.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.339 min Scan# 1913
Delta R.T. -0.001 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion: 164 Resp: 80234
Ion Ratio Lower Upper
164 100
162 107.3 79.4 119.2
160 48.9 36.1 54.1

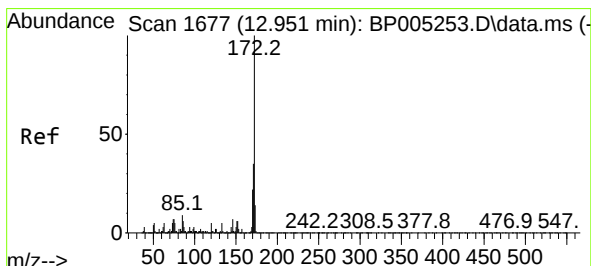
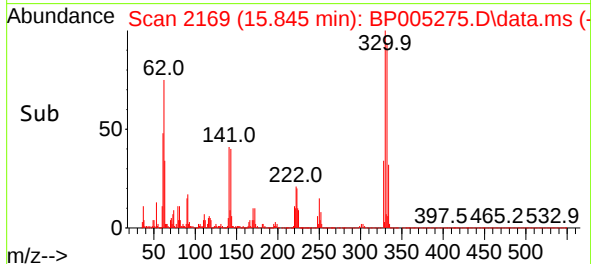
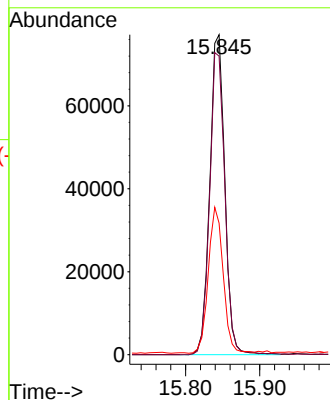
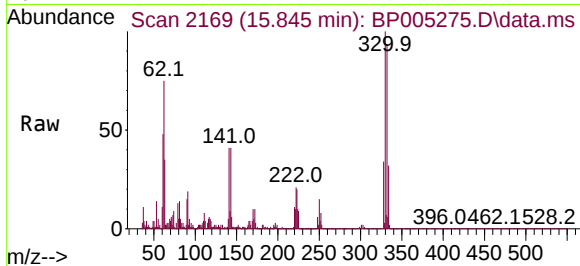




#42
2,4,6-Tribromophenol
Concen: 107.29 ng
RT: 15.845 min Scan# 2169
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

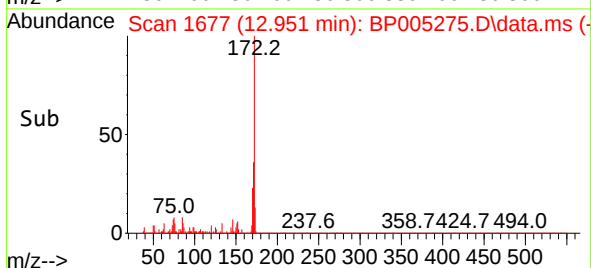
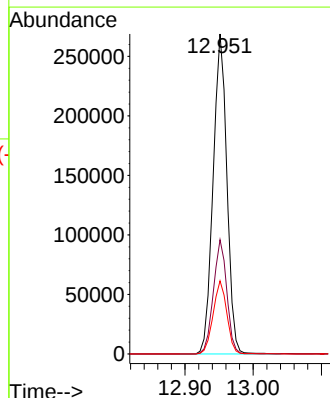
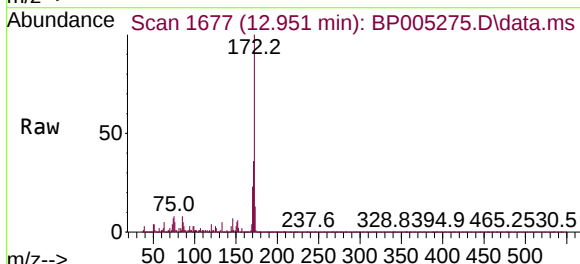
Instrument :
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ClientSampleId :
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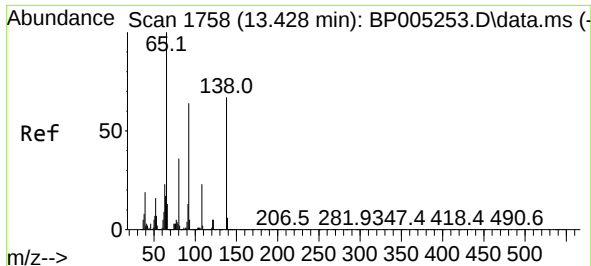
Tgt Ion:330 Resp: 108664
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 45.3 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 63.72 ng
RT: 12.951 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:172 Resp: 378680
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 22.9 19.2 28.8

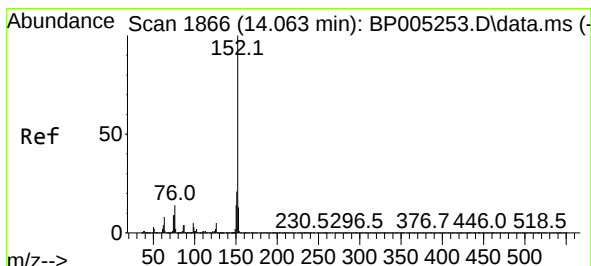
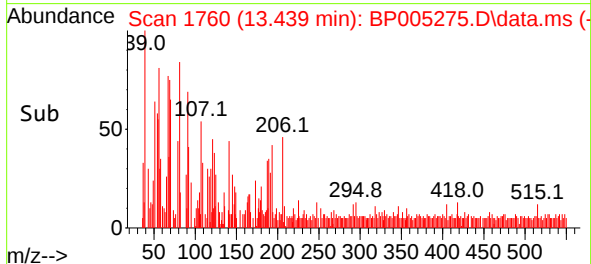
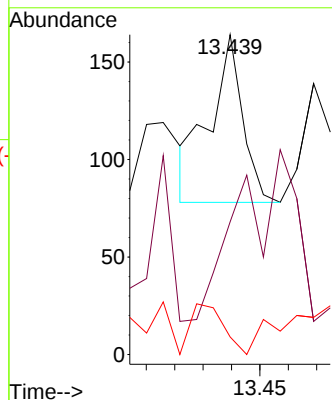
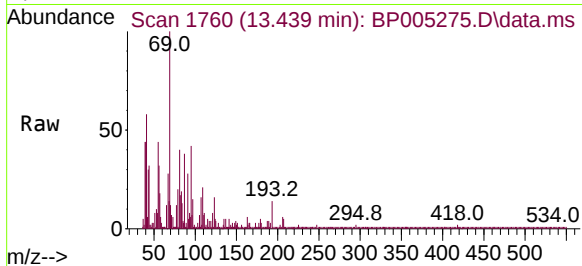




#48
2-Nitroaniline
Concen: 3.55 ng
RT: 13.439 min Scan# 1760
Delta R.T. 0.011 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

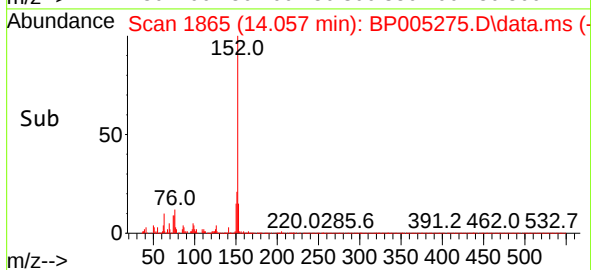
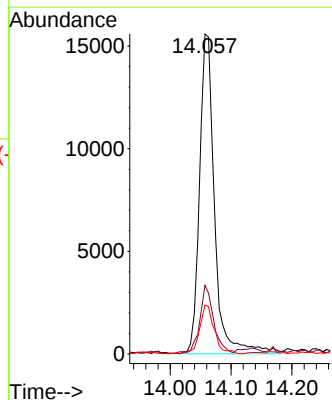
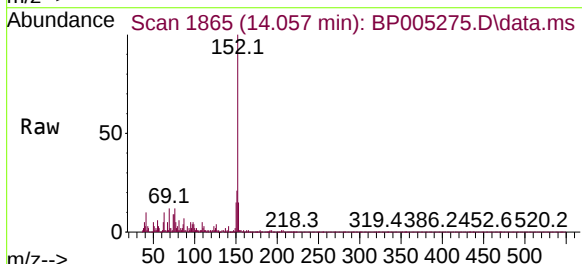
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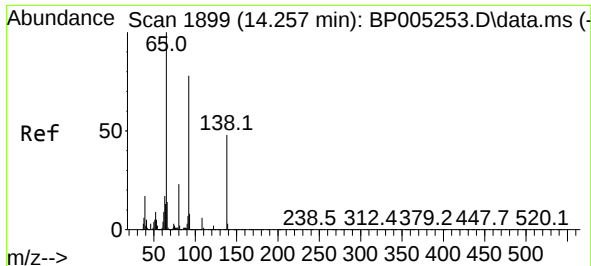
Tgt Ion: 65 Resp: 69
Ion Ratio Lower Upper
65 100
92 41.5 70.6 106.0#
138 5.5 133.6 200.4#



#49
Acenaphthylene
Concen: 3.60 ng
RT: 14.057 min Scan# 1865
Delta R.T. -0.006 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion: 152 Resp: 26773
Ion Ratio Lower Upper
152 100
151 21.4 15.9 23.9
153 15.2 10.5 15.7

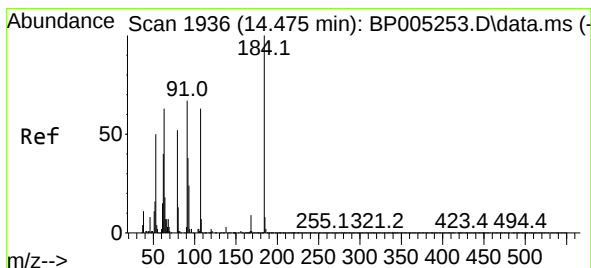
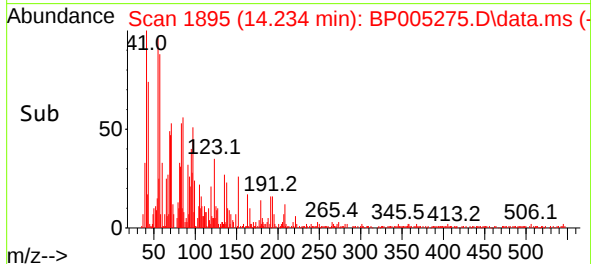
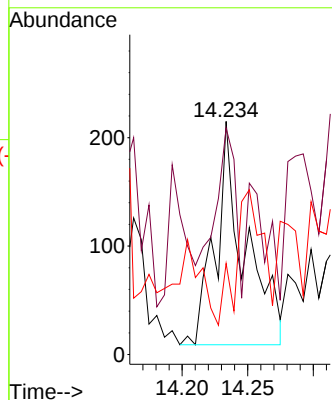
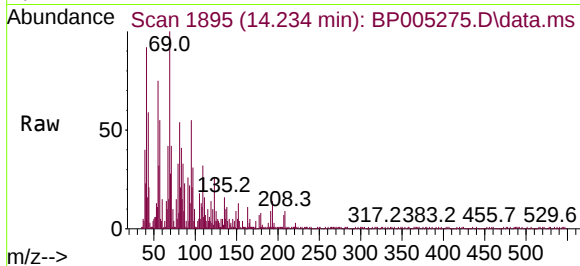




#53
3-Nitroaniline
Concen: 2.71 ng
RT: 14.234 min Scan# 1895
Delta R.T. -0.023 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

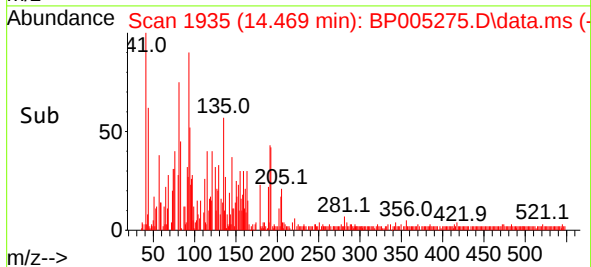
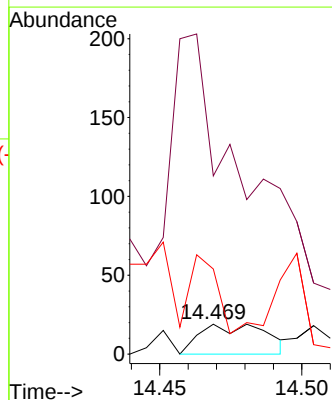
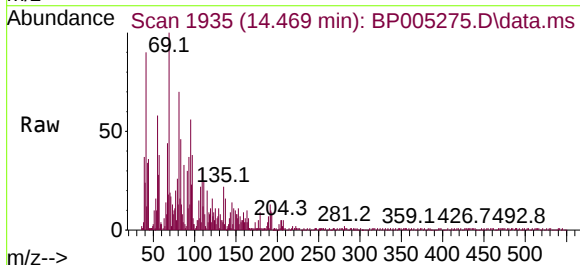
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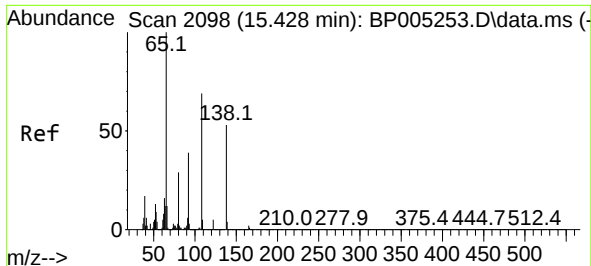
Tgt Ion:138 Resp: 322
Ion Ratio Lower Upper
138 100
108 97.2 7.5 11.3#
92 39.1 75.0 112.6#



#54
2,4-Dinitrophenol
Concen: 6.18 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:184 Resp: 31
Ion Ratio Lower Upper
184 100
63 594.7 32.3 48.5#
154 284.2 49.1 73.7#

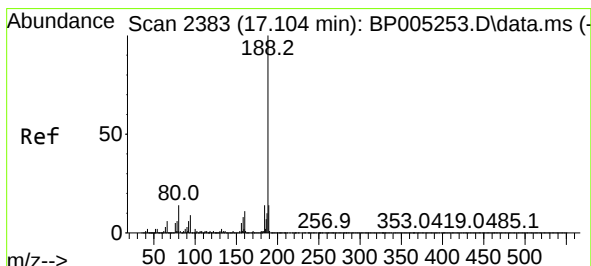
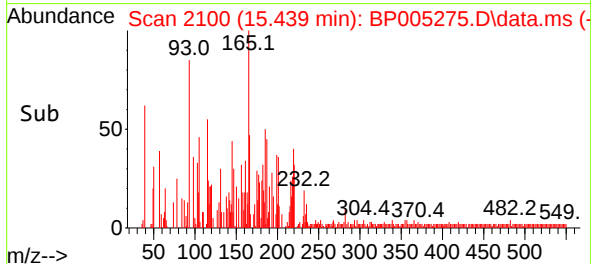
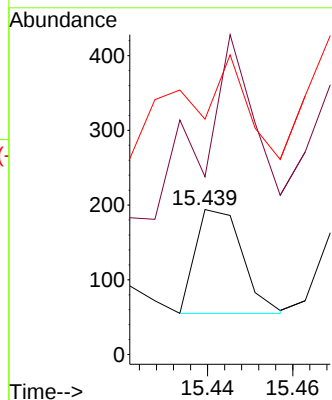
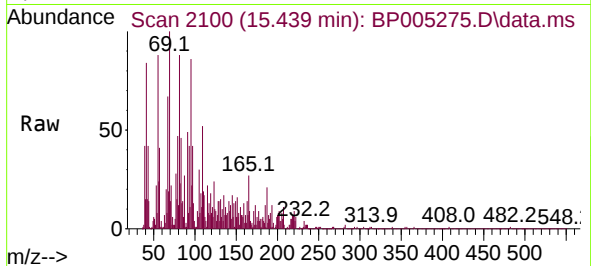




#62
4-Nitroaniline
Concen: 2.15 ng
RT: 15.439 min Scan# 2100
Delta R.T. 0.011 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

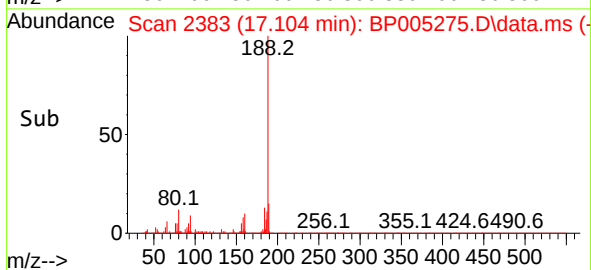
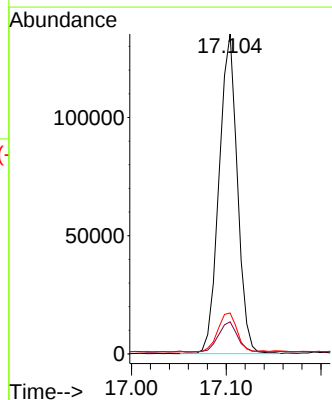
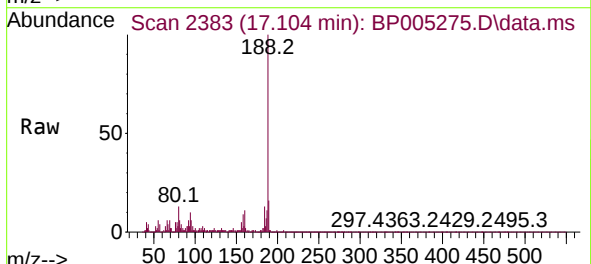
Instrument :
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ClientSampleId :
801-675

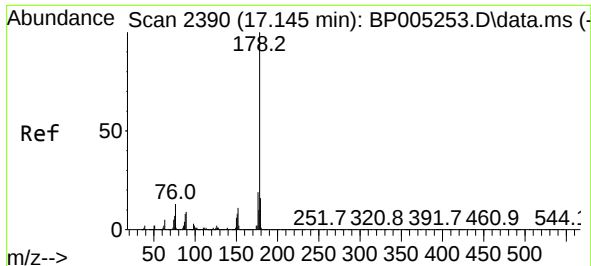
Tgt Ion:138 Resp: 107
Ion Ratio Lower Upper
138 100
92 122.7 20.7 60.7#
108 162.4 47.8 87.8#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.104 min Scan# 2383
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:188 Resp: 181807
Ion Ratio Lower Upper
188 100
94 10.0 6.2 9.2#
80 12.8 6.2 9.2#

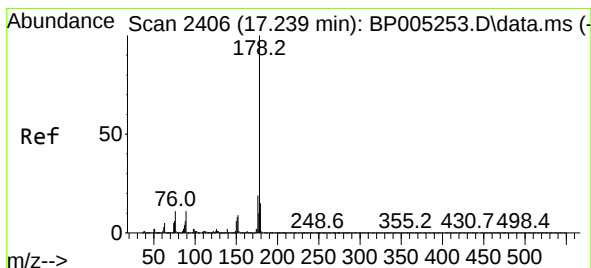
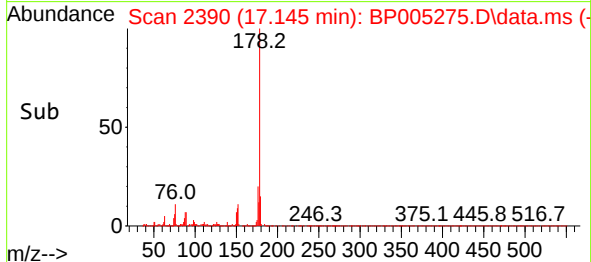
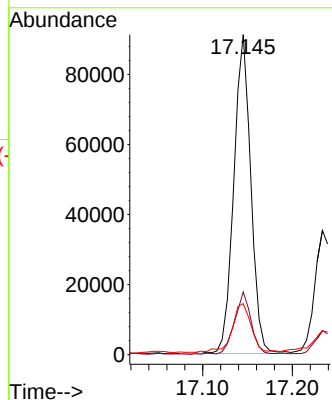
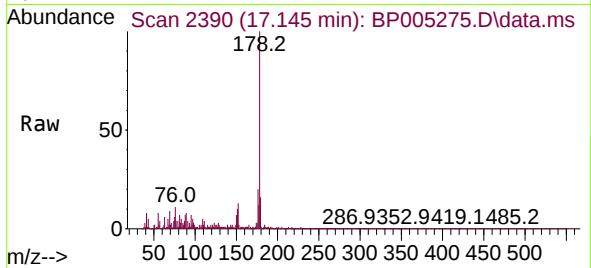




#71
Phenanthrene
Concen: 11.67 ng
RT: 17.145 min Scan# 2390
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

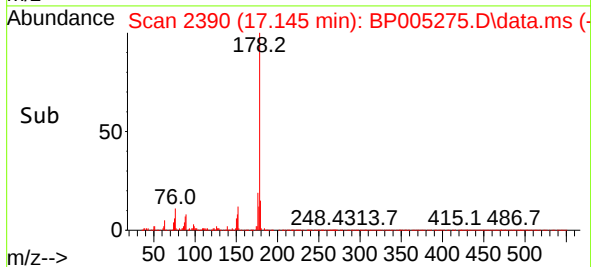
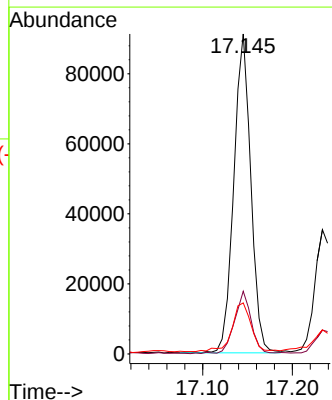
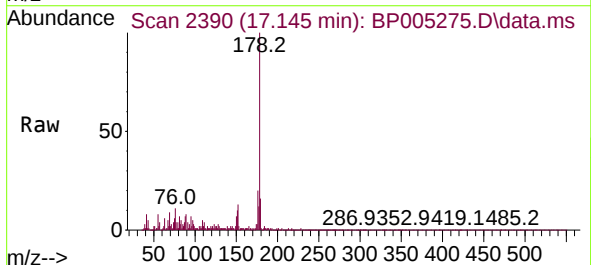
Instrument :
BNA_P
ClientSampleId :
801-675

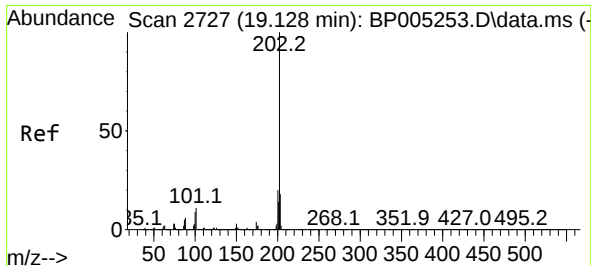
Tgt Ion:178 Resp: 119919
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.9 12.5 18.7



#72
Anthracene
Concen: 12.04 ng
RT: 17.145 min Scan# 2390
Delta R.T. -0.094 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:178 Resp: 119919
Ion Ratio Lower Upper
178 100
176 19.6 15.0 22.4
179 15.9 12.5 18.7

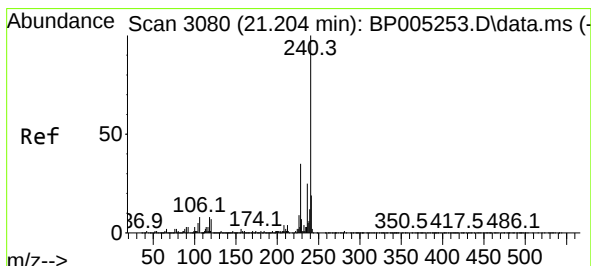
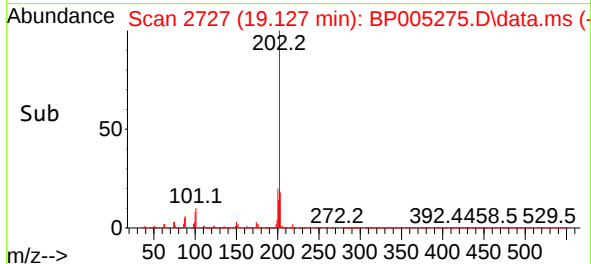
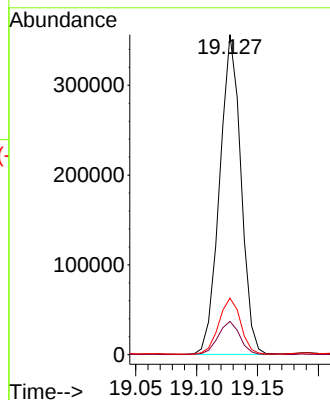
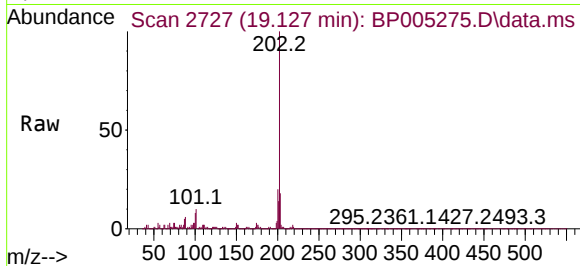




#75
Fluoranthene
Concen: 34.42 ng
RT: 19.127 min Scan# 2727
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

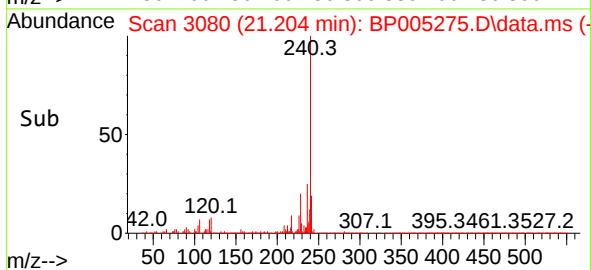
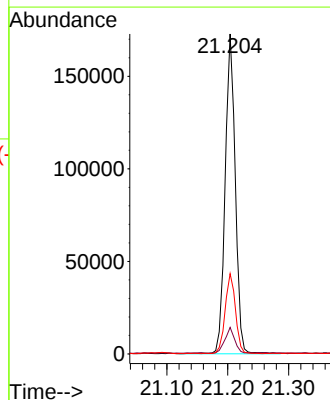
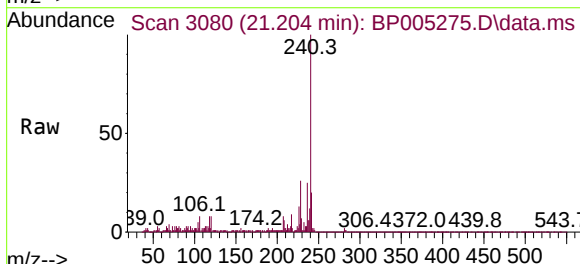
Instrument :
BNA_P
ClientSampleId :
801-675

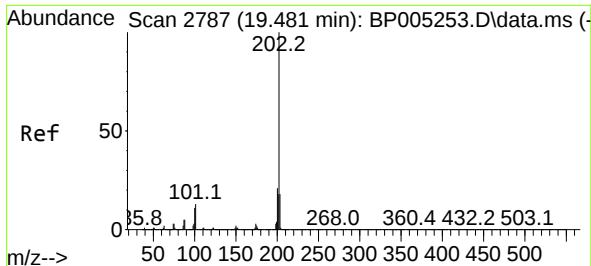
Tgt Ion:	202	Resp:	433883
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	29.4
203	17.6	0.0	37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.204 min Scan# 3080
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:	240	Resp:	199637
Ion Ratio	Lower	Upper	
240	100		
120	8.3	7.8	11.6
236	25.1	20.8	31.2

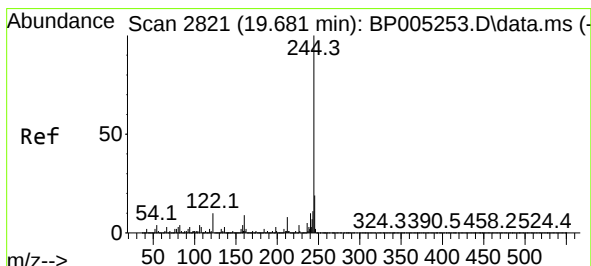
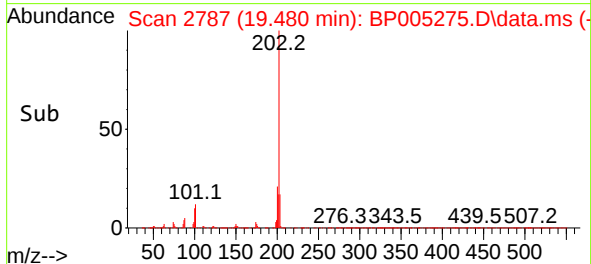
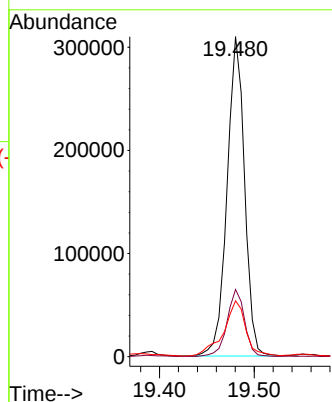
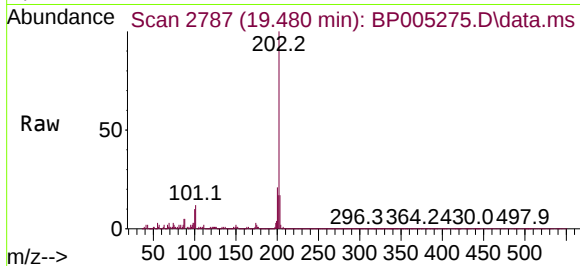




#78
Pyrene
Concen: 32.10 ng
RT: 19.480 min Scan# 2787
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

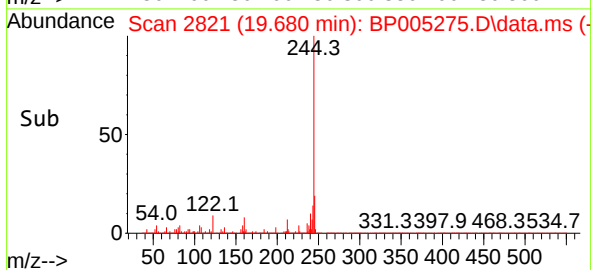
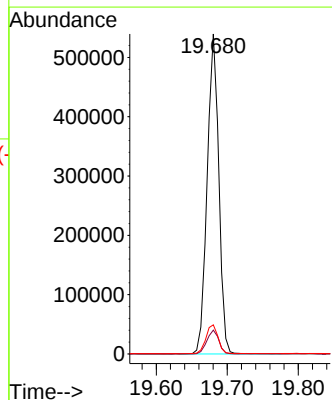
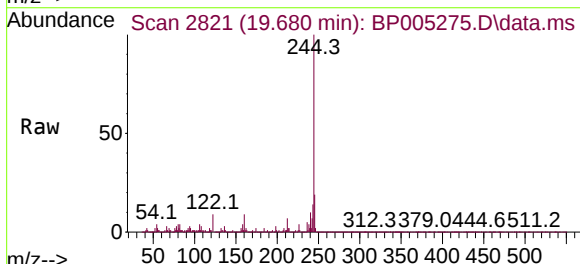
Instrument :
BNA_P
ClientSampleId :
801-675

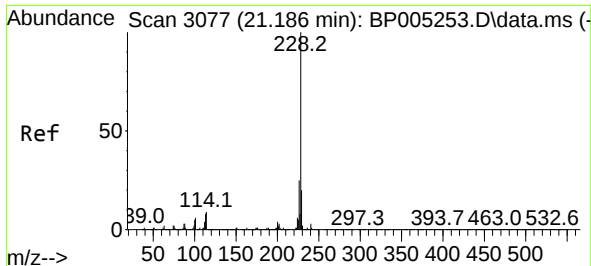
Tgt Ion:202 Resp: 398319
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 17.5 14.2 21.2



#79
Terphenyl-d14
Concen: 60.46 ng
RT: 19.680 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:244 Resp: 614473
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 9.1 7.8 11.8

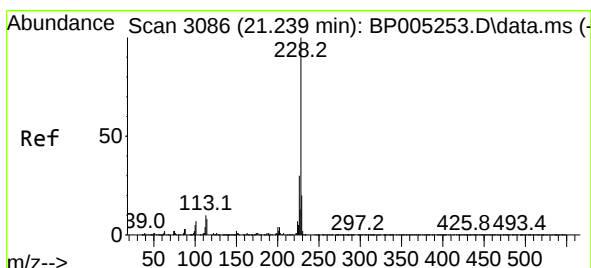
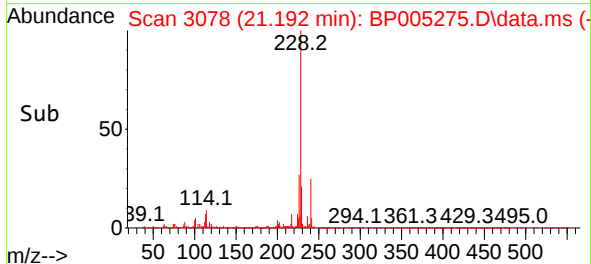
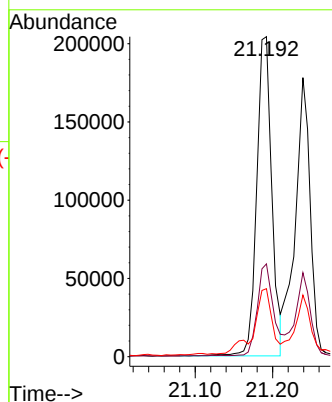
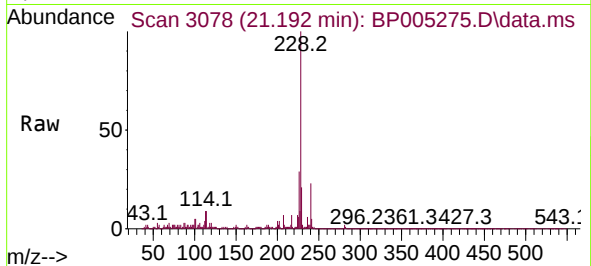




#81
Benzo(a)anthracene
Concen: 20.90 ng
RT: 21.192 min Scan# 3078
Delta R.T. 0.006 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

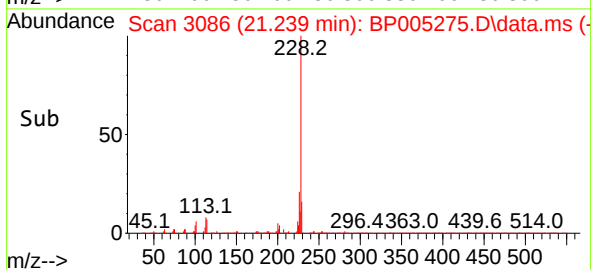
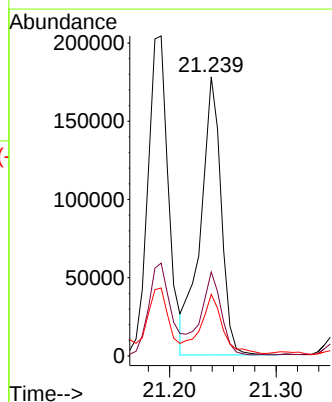
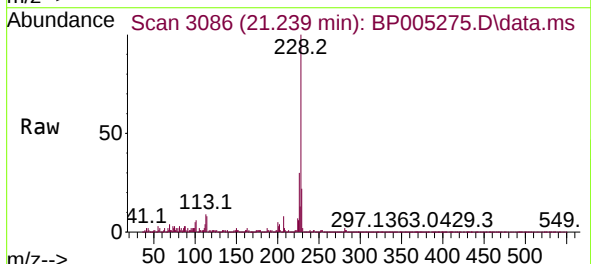
Instrument :
BNA_P
ClientSampleId :
801-675

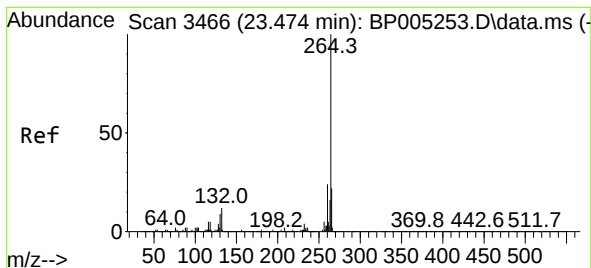
Tgt Ion:228 Resp: 275274
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 21.2 15.9 23.9



#83
Chrysene
Concen: 18.76 ng
RT: 21.239 min Scan# 3086
Delta R.T. -0.000 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:228 Resp: 240337
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 22.1 15.8 23.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.474 min Scan# 3466

Delta R.T. -0.000 min

Lab File: BP005275.D

Acq: 12 Apr 2021 20:15

Instrument :

BNA_P

ClientSampleId :

801-675

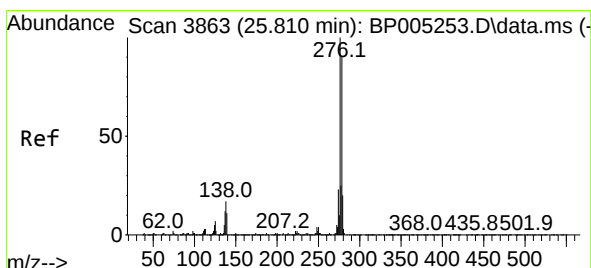
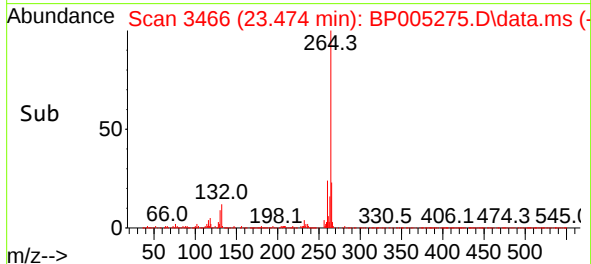
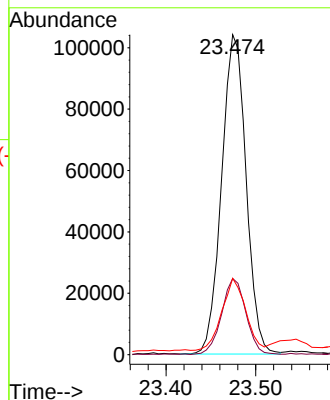
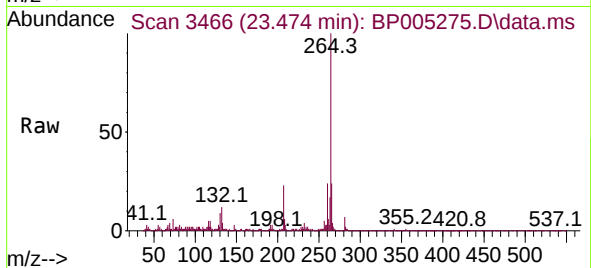
Tgt Ion:264 Resp: 197278

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 23.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.71 ng

RT: 25.804 min Scan# 3862

Delta R.T. -0.006 min

Lab File: BP005275.D

Acq: 12 Apr 2021 20:15

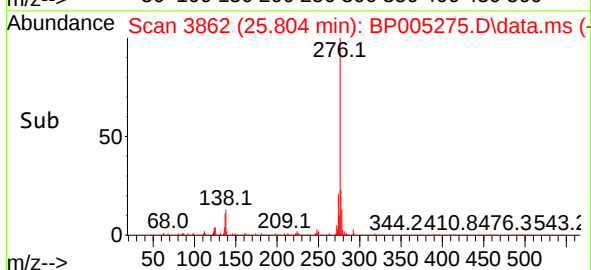
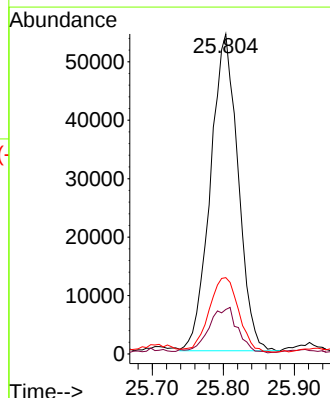
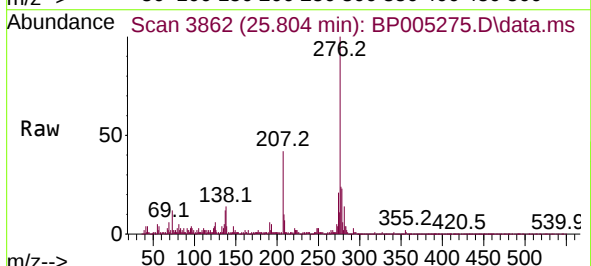
Tgt Ion:276 Resp: 146470

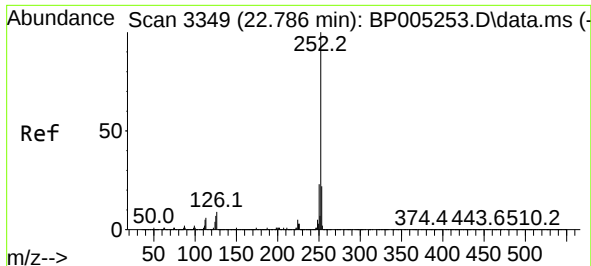
Ion Ratio Lower Upper

276 100

138 14.9 18.7 28.1#

277 25.3 20.4 30.6

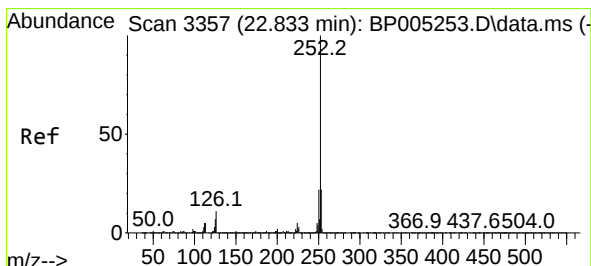
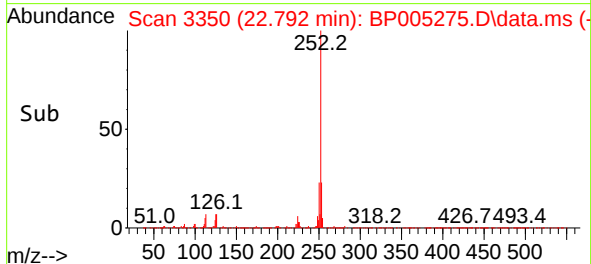
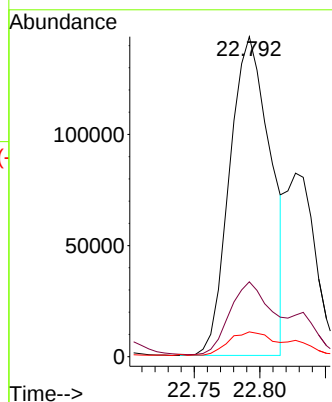
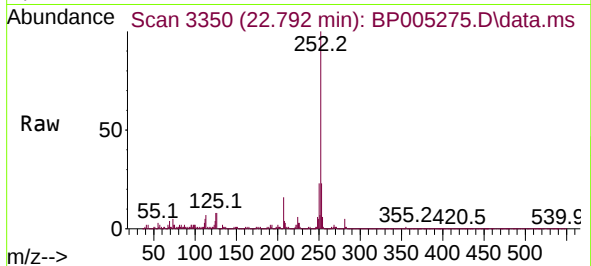




#88
Benzo(b)fluoranthene
Concen: 24.08 ng
RT: 22.792 min Scan# 3350
Delta R.T. 0.006 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

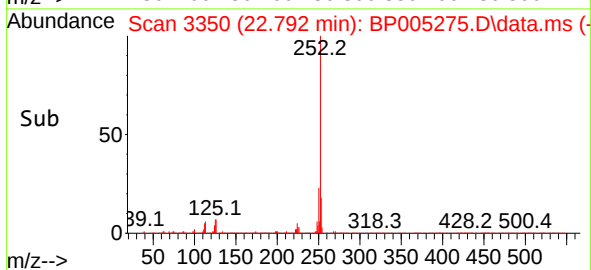
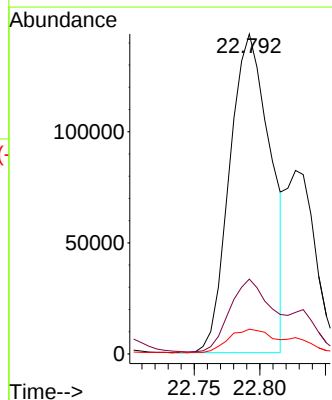
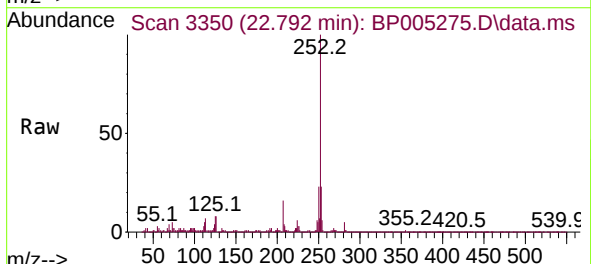
Instrument :
BNA_P
ClientSampleId :
801-675

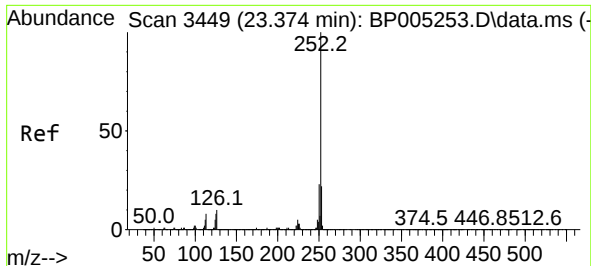
Tgt Ion:252 Resp: 310987
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 7.8 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 25.13 ng
RT: 22.792 min Scan# 3350
Delta R.T. -0.041 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:252 Resp: 310987
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 7.8 7.4 11.2

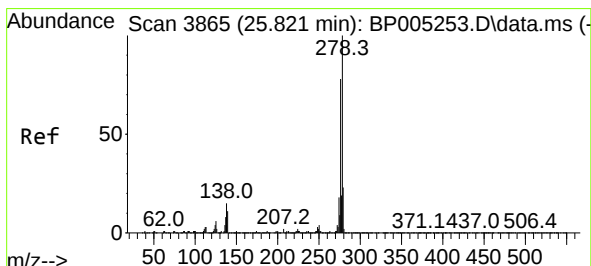
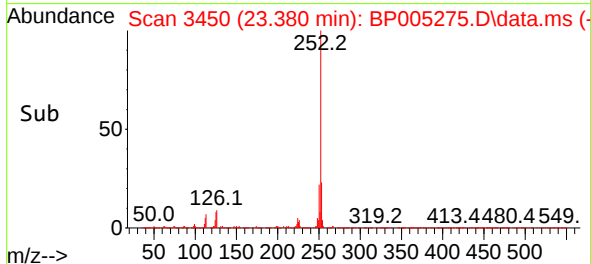
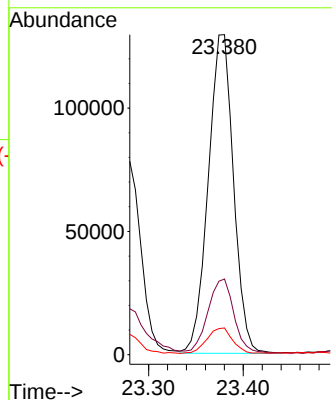
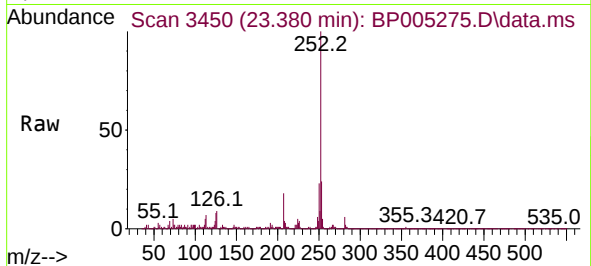




#90
Benzo(a)pyrene
Concen: 20.07 ng
RT: 23.380 min Scan# 3450
Delta R.T. 0.006 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

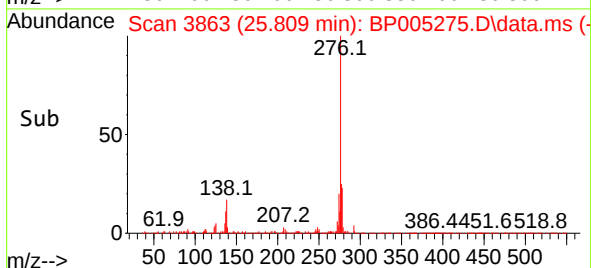
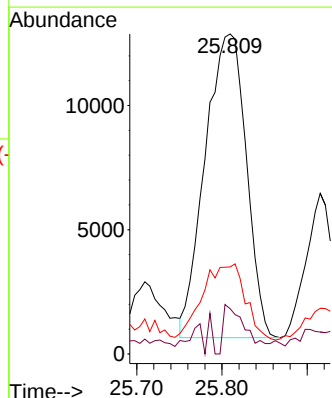
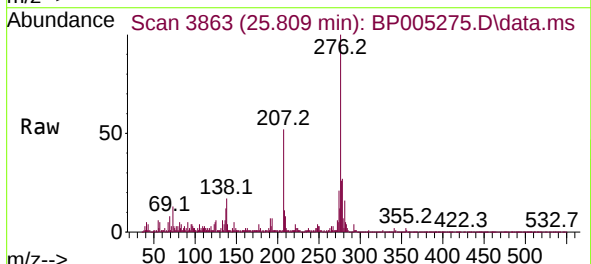
Instrument :
BNA_P
ClientSampleId :
801-675

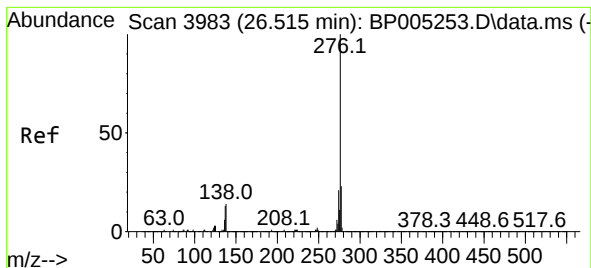
Tgt Ion:252 Resp: 239800
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 8.3 8.2 12.4



#91
Dibenzo(a,h)anthracene
Concen: 3.12 ng
RT: 25.809 min Scan# 3863
Delta R.T. -0.012 min
Lab File: BP005275.D
Acq: 12 Apr 2021 20:15

Tgt Ion:278 Resp: 40989
Ion Ratio Lower Upper
278 100
139 14.1 12.4 18.6
279 27.2 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 10.81 ng

RT: 26.515 min Scan# 3983

Delta R.T. -0.000 min

Lab File: BP005275.D

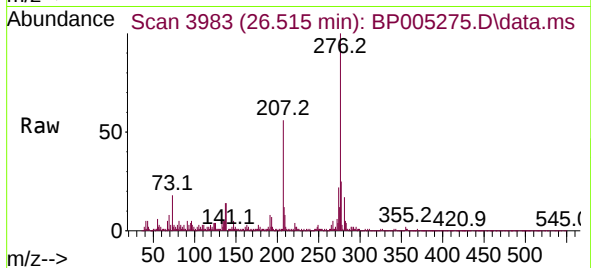
Acq: 12 Apr 2021 20:15

Instrument :

BNA_P

ClientSampleId :

801-675



Tgt Ion:276 Resp: 137428

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.6

138 14.3 16.6 24.8#

