

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041321\
 Data File : BP005295.D
 Acq On : 13 Apr 2021 19:41
 Operator : CG/JU
 Sample : M2008-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NANUET-ST-041221

Quant Time: Apr 14 02:44:58 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)

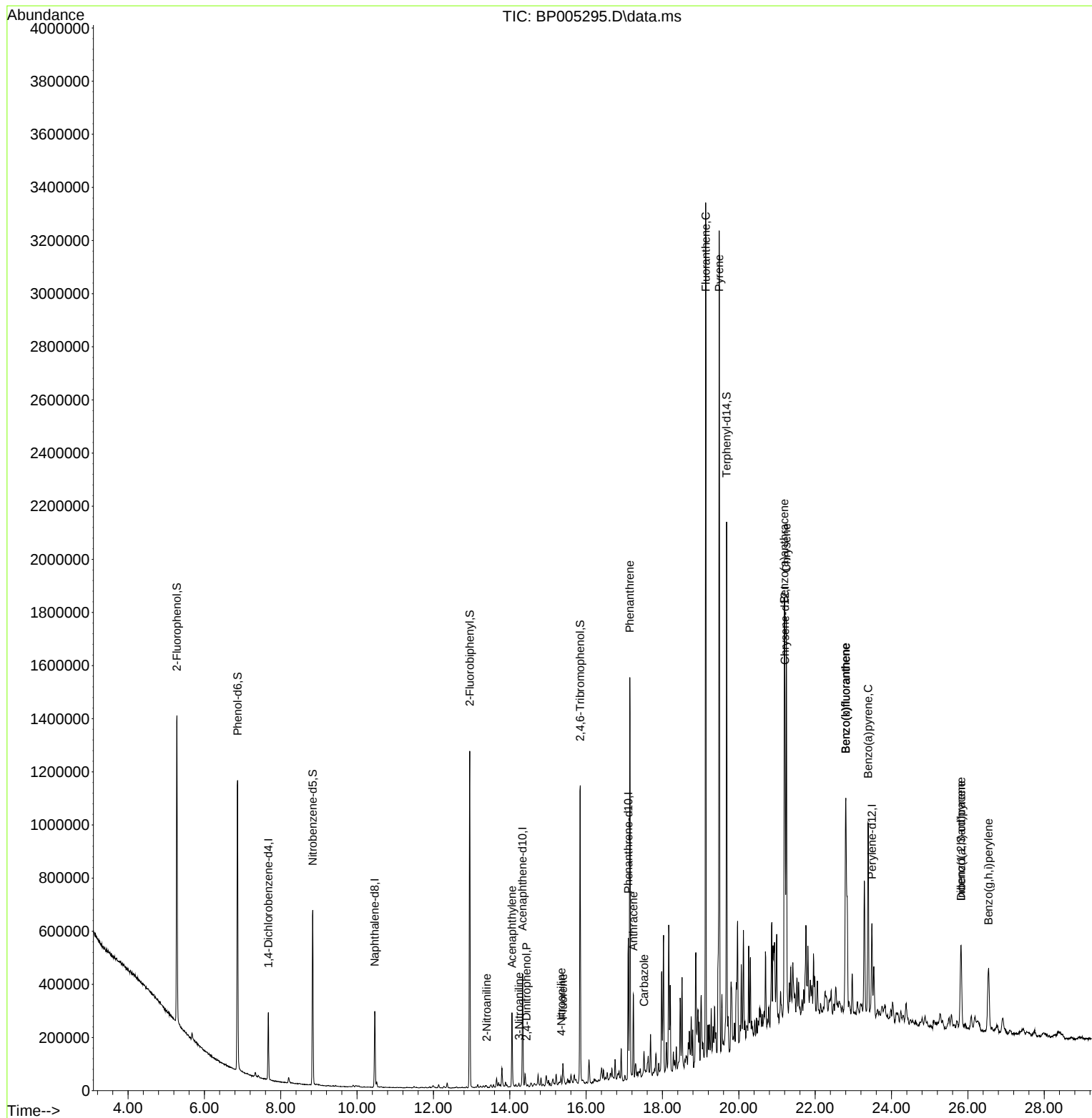
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	57373	20.00	ng	# 0.00
21) Naphthalene-d8	10.463	136	194850	20.00	ng	# 0.00
39) Acenaphthene-d10	14.334	164	124197	20.00	ng	0.00
64) Phenanthrene-d10	17.104	188	280902	20.00	ng	# 0.00
76) Chrysene-d12	21.210	240	303023	20.00	ng	0.00
86) Perylene-d12	23.486	264	242088	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	548815	100.39	ng	0.00
7) Phenol-d6	6.869	99	606238	97.19	ng	0.00
23) Nitrobenzene-d5	8.840	82	404296	65.43	ng	0.00
42) 2,4,6-Tribromophenol	15.845	330	174397	111.24	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	559180	60.78	ng	0.00
79) Terphenyl-d14	19.681	244	782985	50.76	ng	0.00
Target Compounds						Qvalue
48) 2-Nitroaniline	13.399	65	305	3.60	ng	# 1
49) Acenaphthylene	14.057	152	168253	14.62	ng	99
53) 3-Nitroaniline	14.246	138	29	2.49	ng	# 11
54) 2,4-Dinitrophenol	14.440	184	27	6.17	ng	# 1
58) Fluorene	15.393	166	34622	3.65	ng	98
62) 4-Nitroaniline	15.351	138	221	2.18	ng	83
71) Phenanthrene	17.145	178	795319	50.09	ng	99
72) Anthracene	17.240	178	176021	11.44	ng	98
73) Carbazole	17.516	167	43123	2.94	ng	97
75) Fluoranthene	19.134	202	1638962	84.15	ng	99
78) Pyrene	19.486	202	1726754	91.69	ng	99
81) Benzo(a)anthracene	21.192	228	665035	33.26	ng	98
83) Chrysene	21.245	228	748966	38.51	ng	97
87) Indeno(1,2,3-cd)pyrene	25.821	276	302786	16.36	ng	# 91
88) Benzo(b)fluoranthene	22.804	252	936096	59.07	ng	98
89) Benzo(k)fluoranthene	22.804	252	936096	61.63	ng	98
90) Benzo(a)pyrene	23.386	252	514723	35.10	ng	97
91) Dibenzo(a,h)anthracene	25.821	278	79233	4.91	ng	# 80
92) Benzo(g,h,i)perylene	26.539	276	313780	20.11	ng	# 93

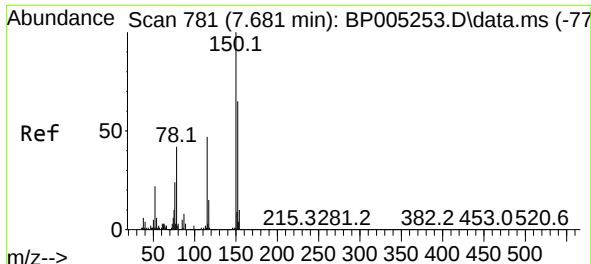
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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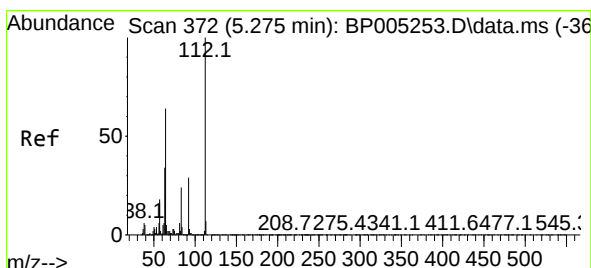
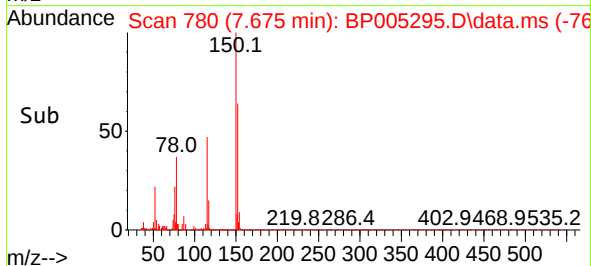
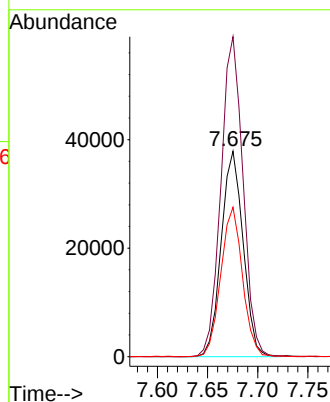
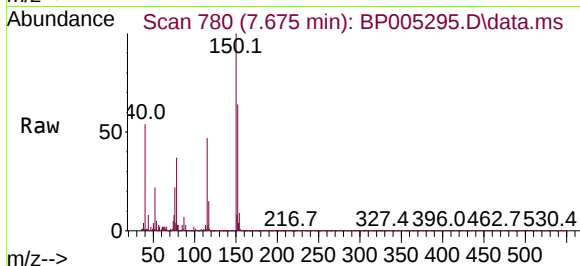




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

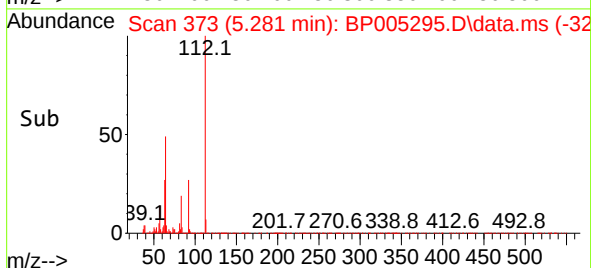
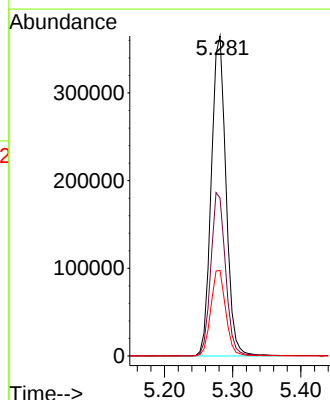
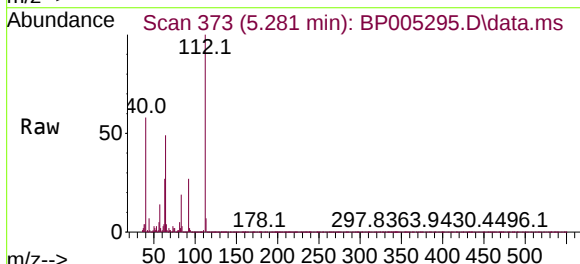
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BNA_P
ClientSampleId :
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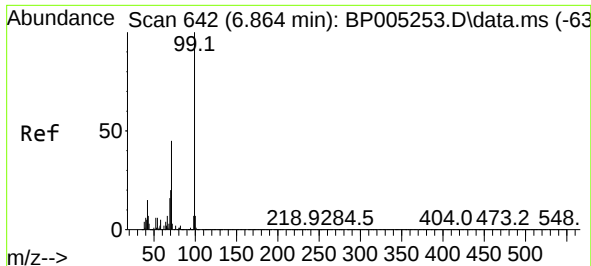
Tgt Ion:152 Resp: 57373
Ion Ratio Lower Upper
152 100
150 155.8 123.8 185.6
115 72.8 43.8 65.6#



#5
2-Fluorophenol
Concen: 100.39 ng
RT: 5.281 min Scan# 373
Delta R.T. 0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:112 Resp: 548815
Ion Ratio Lower Upper
112 100
64 49.3 32.8 49.2#
63 26.8 17.0 25.4#

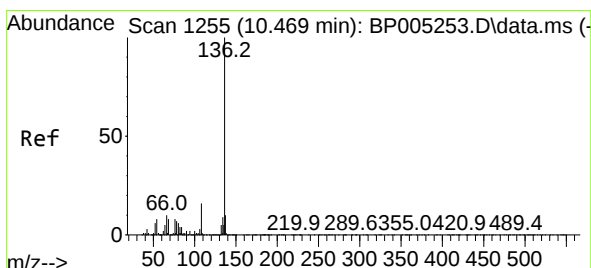
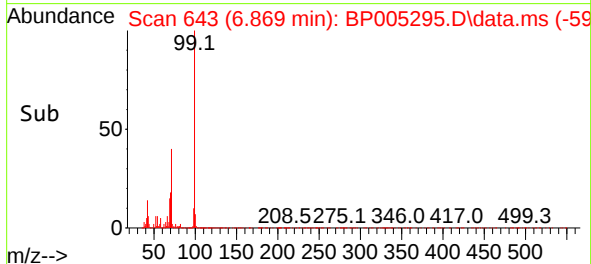
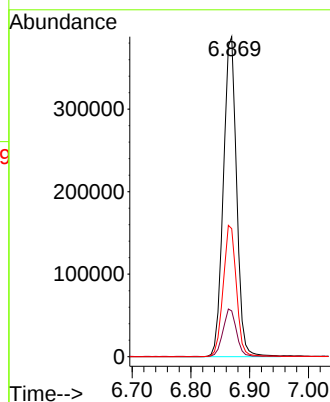
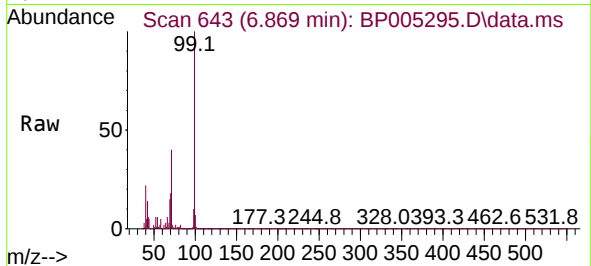




#7
Phenol-d6
Concen: 97.19 ng
RT: 6.869 min Scan# 643
Delta R.T. 0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

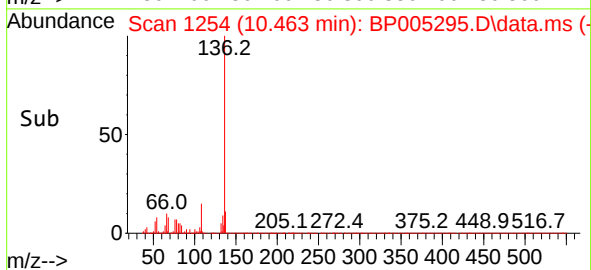
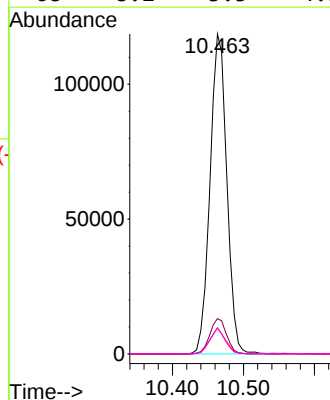
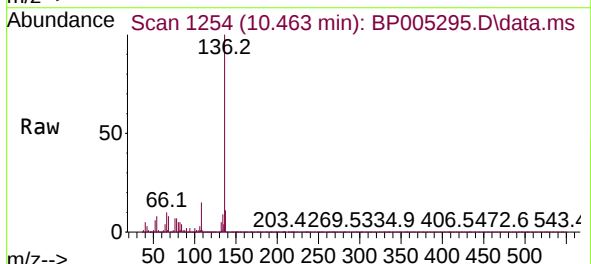
Instrument :
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ClientSampleId :
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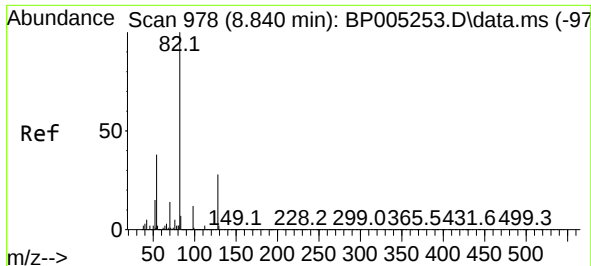
Tgt Ion: 99 Resp: 606238
Ion Ratio Lower Upper
99 100
42 14.3 8.6 13.0#
71 40.0 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.463 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion: 136 Resp: 194850
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.1 3.6 5.4#
68 8.2 3.3 4.9#

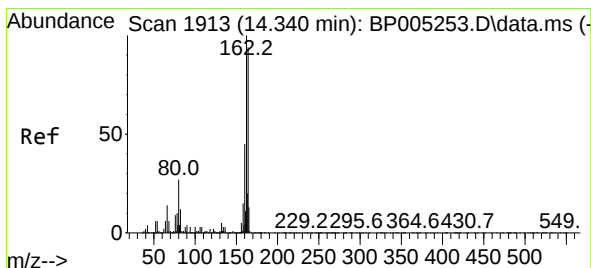
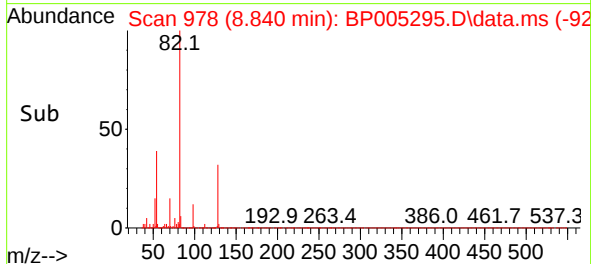
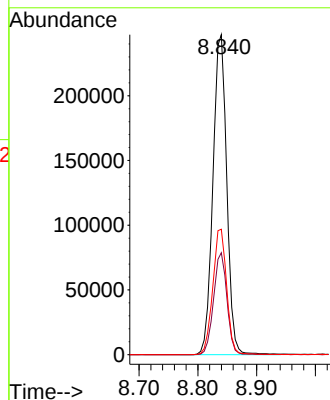
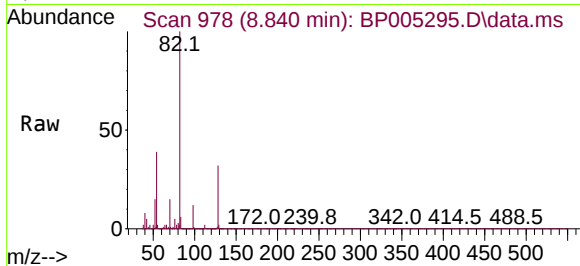




#23
Nitrobenzene-d5
Concen: 65.43 ng
RT: 8.840 min Scan# 978
Delta R.T. 0.000 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

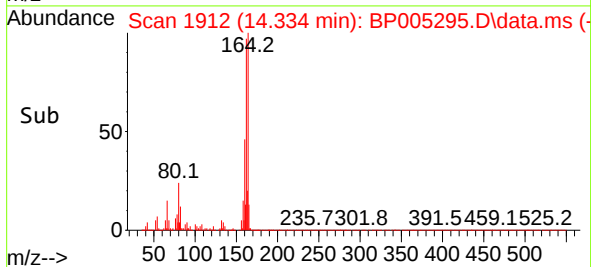
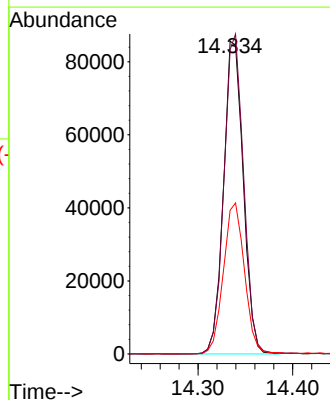
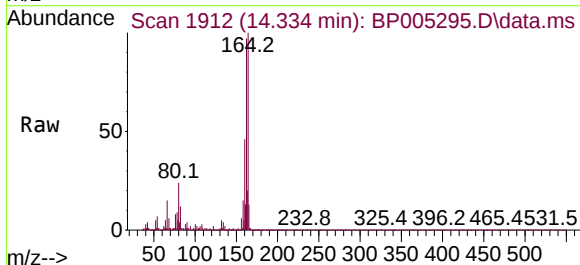
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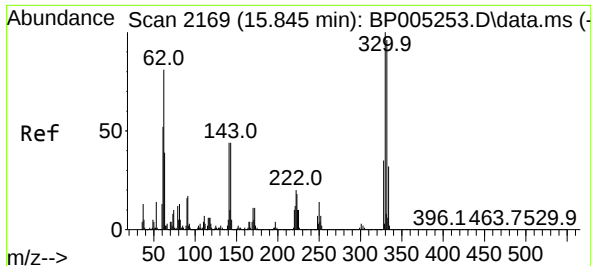
Tgt Ion: 82 Resp: 404296
Ion Ratio Lower Upper
82 100
128 31.9 45.6 68.4#
54 39.2 30.1 45.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.334 min Scan# 1912
Delta R.T. -0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion: 164 Resp: 124197
Ion Ratio Lower Upper
164 100
162 97.3 79.4 119.2
160 45.9 36.1 54.1

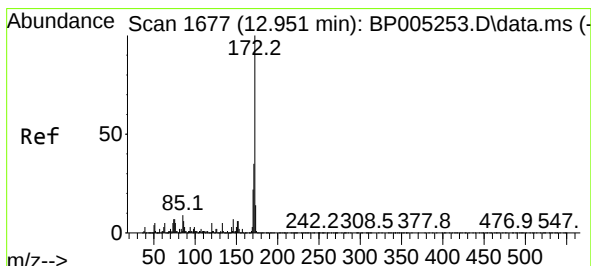
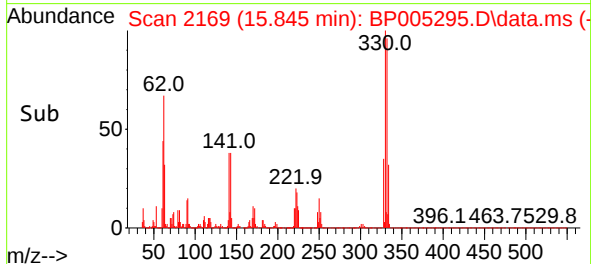
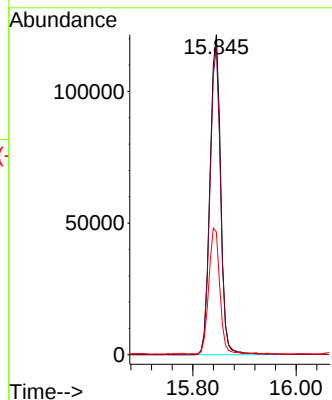
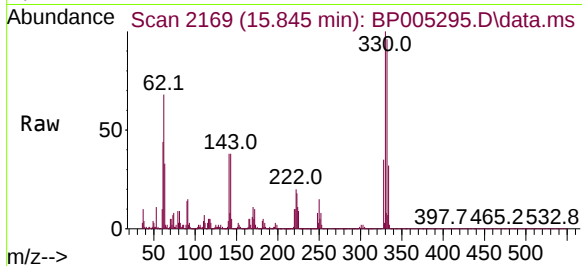




#42
2,4,6-Tribromophenol
Concen: 111.24 ng
RT: 15.845 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

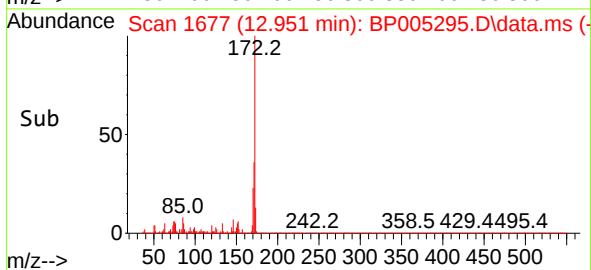
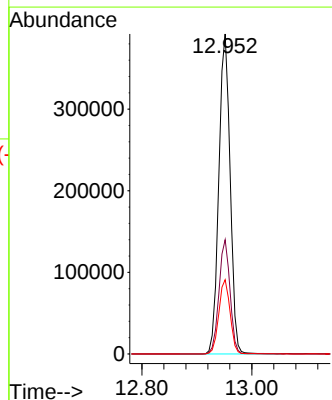
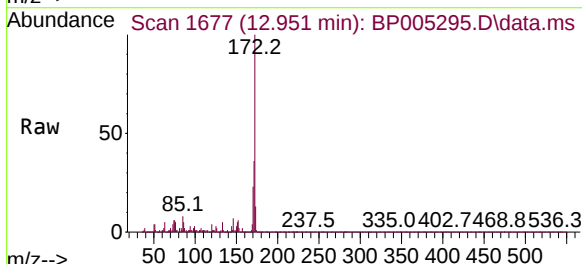
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ClientSampleId :
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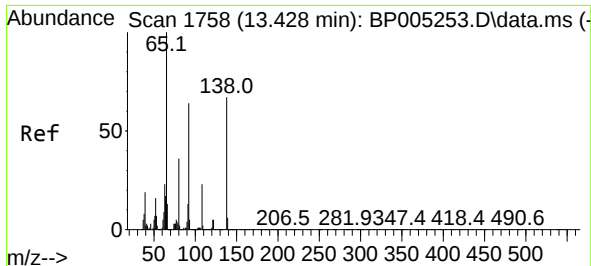
Tgt Ion:330 Resp: 174397
Ion Ratio Lower Upper
330 100
332 95.1 77.1 115.7
141 40.5 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 60.78 ng
RT: 12.951 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:172 Resp: 559180
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.2 19.2 28.8

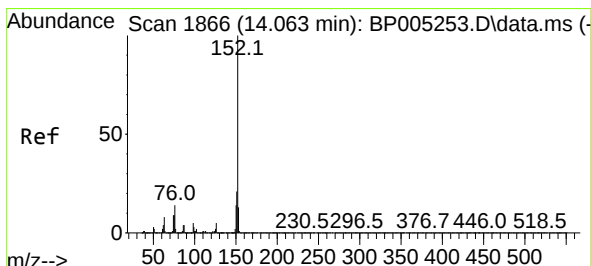
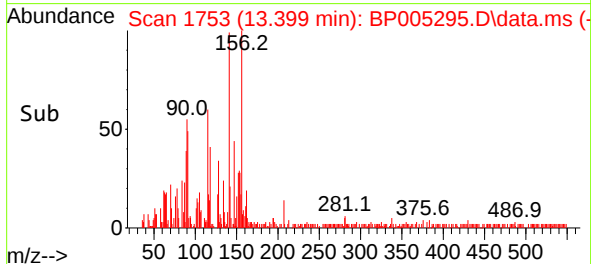
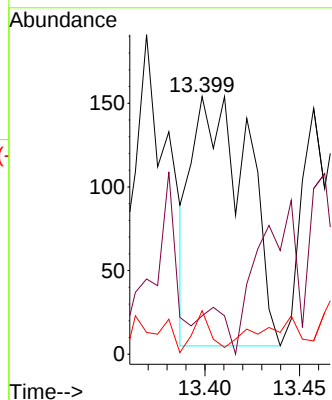
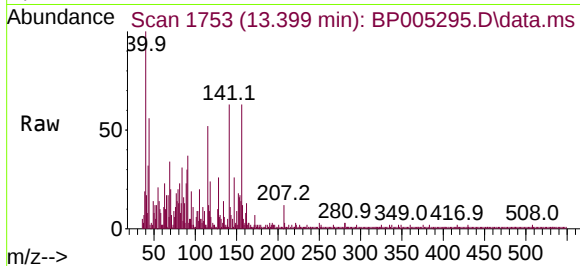




#48
2-Nitroaniline
Concen: 3.60 ng
RT: 13.399 min Scan# 1753
Delta R.T. -0.029 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

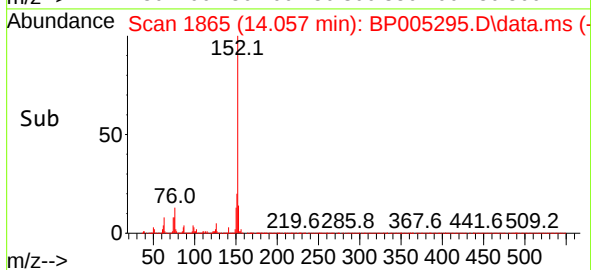
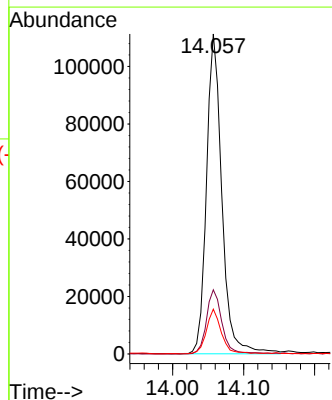
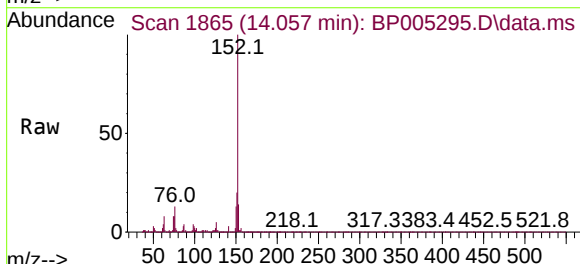
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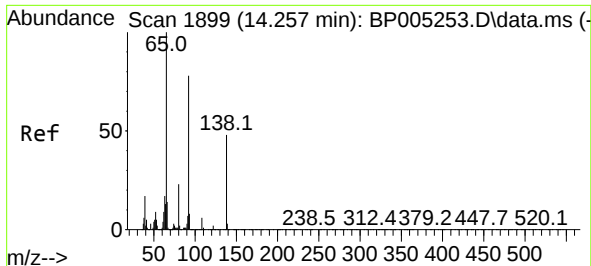
Tgt Ion: 65 Resp: 305
Ion Ratio Lower Upper
65 100
92 14.9 70.6 106.0#
138 16.9 133.6 200.4#



#49
Acenaphthylene
Concen: 14.62 ng
RT: 14.057 min Scan# 1865
Delta R.T. -0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion: 152 Resp: 168253
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 14.0 10.5 15.7

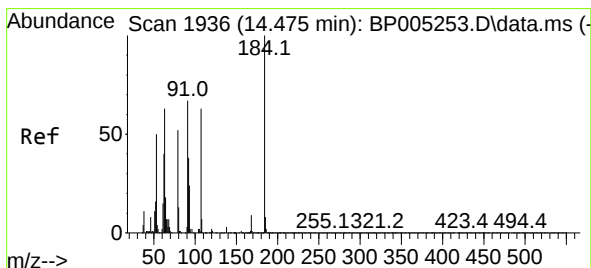
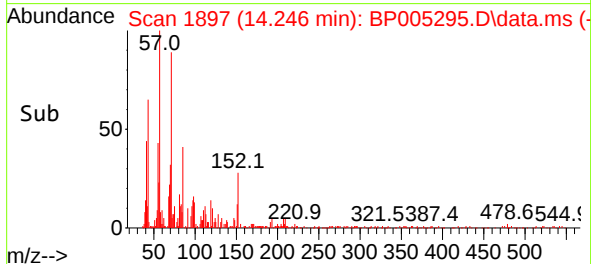
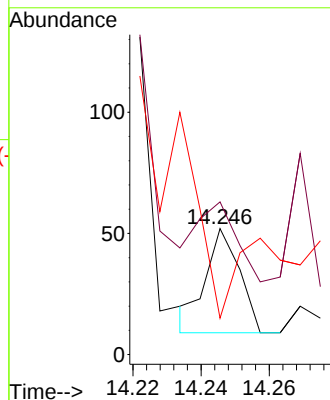
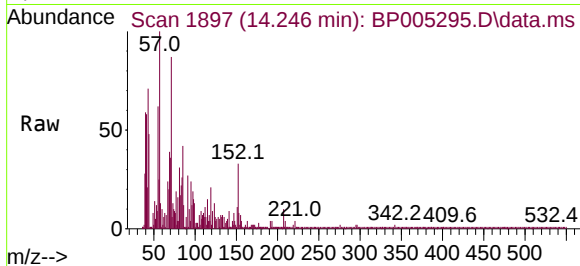




#53
3-Nitroaniline
Concen: 2.49 ng
RT: 14.246 min Scan# 1897
Delta R.T. -0.011 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

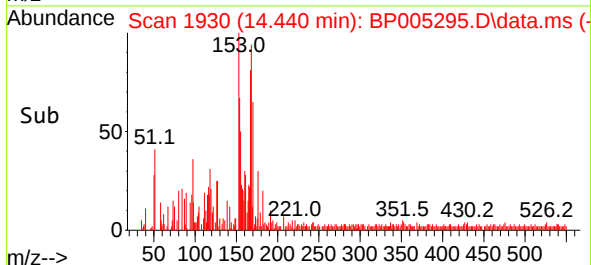
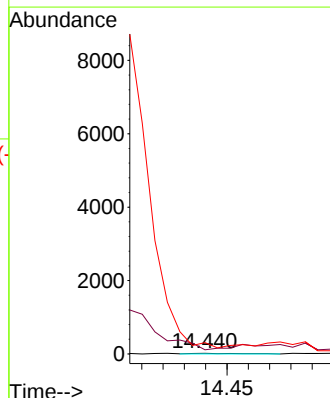
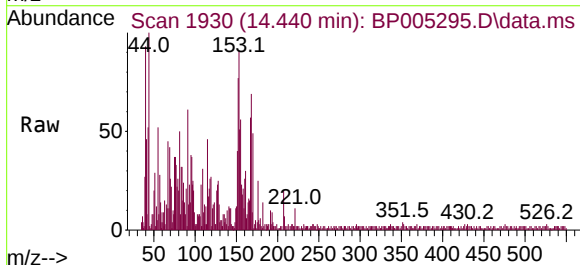
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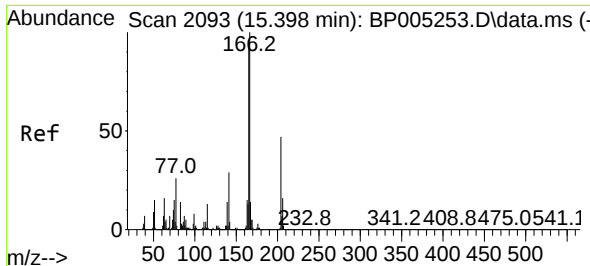
Tgt Ion:138 Resp: 29
Ion Ratio Lower Upper
138 100
108 121.2 7.5 11.3#
92 28.8 75.0 112.6#



#54
2,4-Dinitrophenol
Concen: 6.17 ng
RT: 14.440 min Scan# 1930
Delta R.T. -0.035 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:184 Resp: 27
Ion Ratio Lower Upper
184 100
63 584.2 32.3 48.5#
154 1631.6 49.1 73.7#

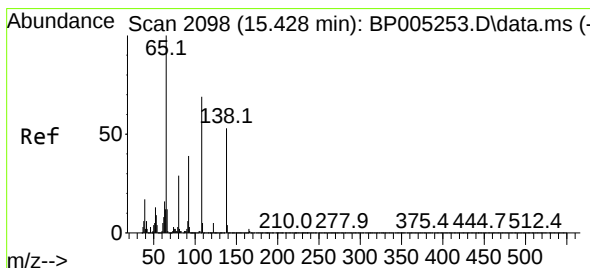
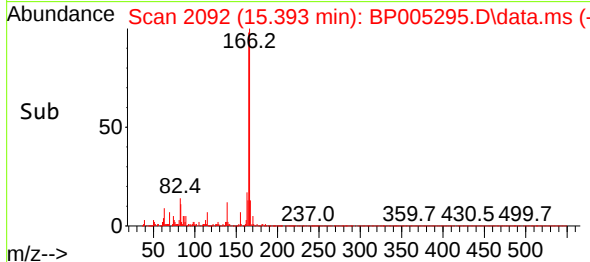
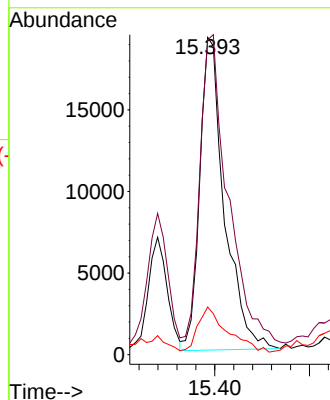
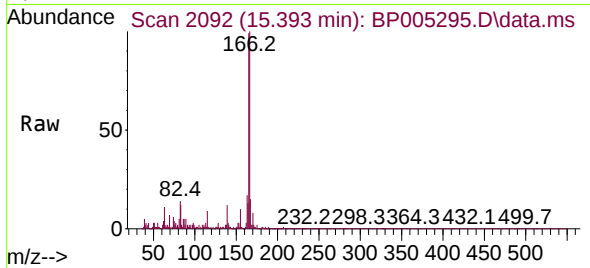




#58
Fluorene
Concen: 3.65 ng
RT: 15.393 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

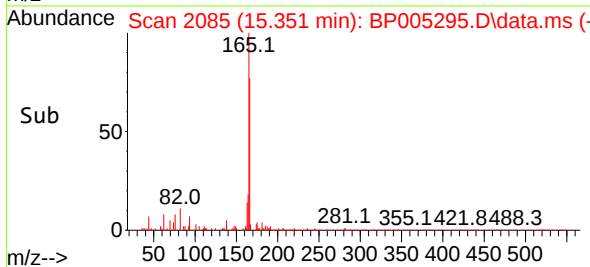
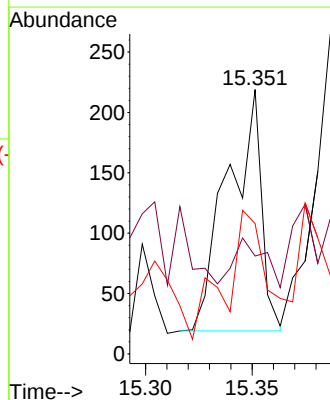
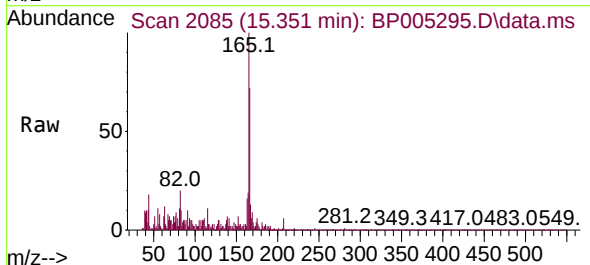
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ClientSampleId :
NANUET-ST-041221

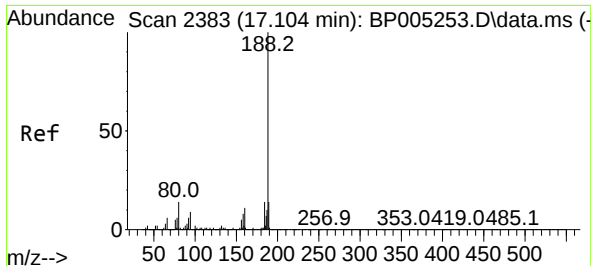
Tgt Ion:166 Resp: 34622
Ion Ratio Lower Upper
166 100
165 99.3 77.8 116.8
167 15.0 11.0 16.4



#62
4-Nitroaniline
Concen: 2.18 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.077 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:138 Resp: 221
Ion Ratio Lower Upper
138 100
92 37.0 20.7 60.7
108 49.3 47.8 87.8

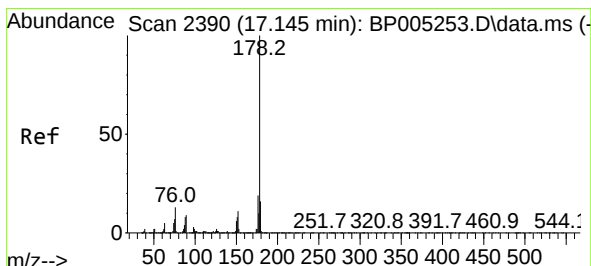
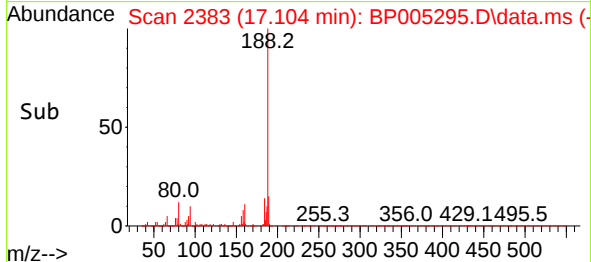
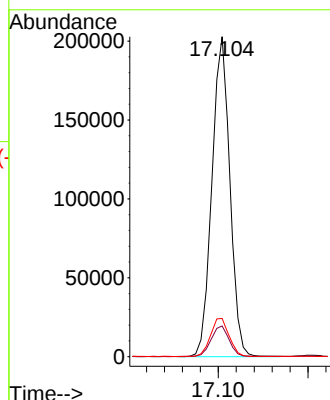
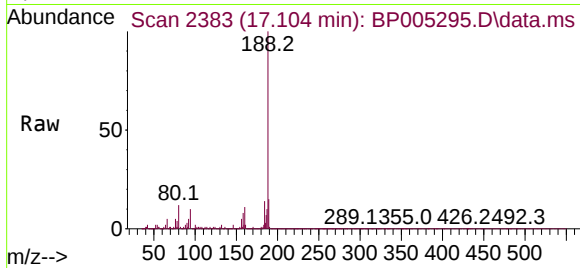




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.104 min Scan# 2383
Delta R.T. 0.000 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

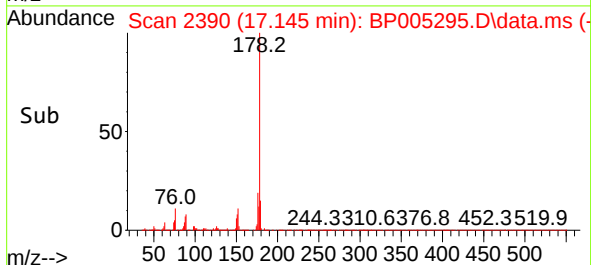
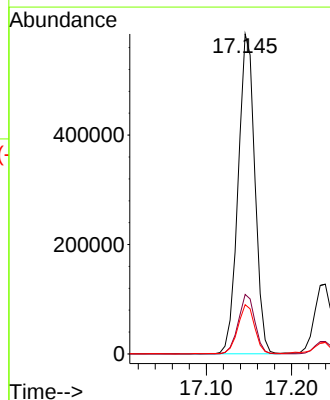
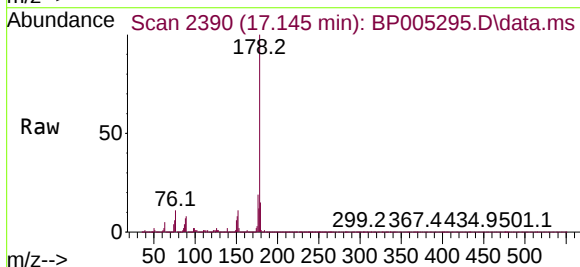
Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

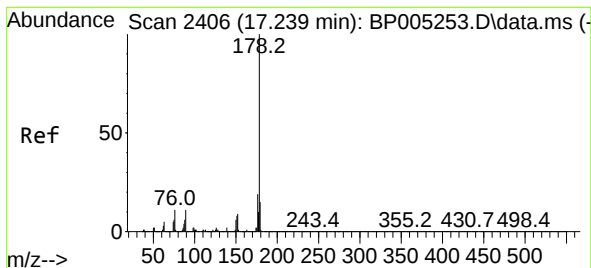
Tgt Ion:188 Resp: 280902
Ion Ratio Lower Upper
188 100
94 9.6 6.2 9.2#
80 11.9 6.2 9.2#



#71
Phenanthrene
Concen: 50.09 ng
RT: 17.145 min Scan# 2390
Delta R.T. 0.000 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:178 Resp: 795319
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.4 12.5 18.7





#72

Anthracene

Concen: 11.44 ng

RT: 17.240 min Scan# 2406

Delta R.T. 0.000 min

Lab File: BP005295.D

Acq: 13 Apr 2021 19:41

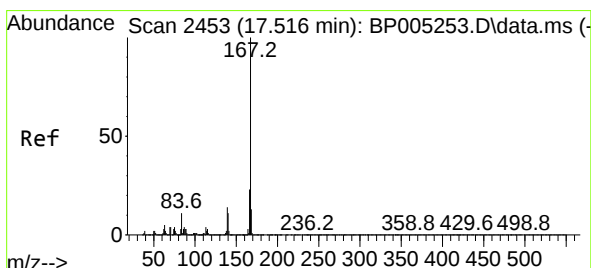
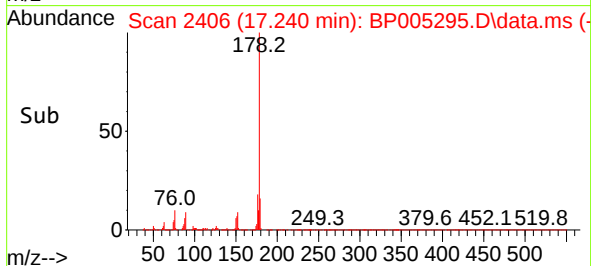
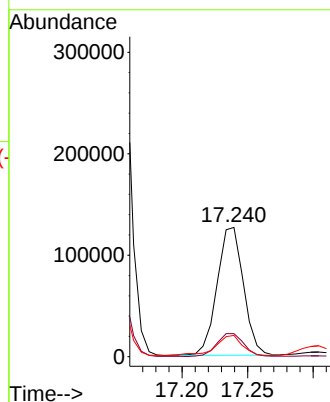
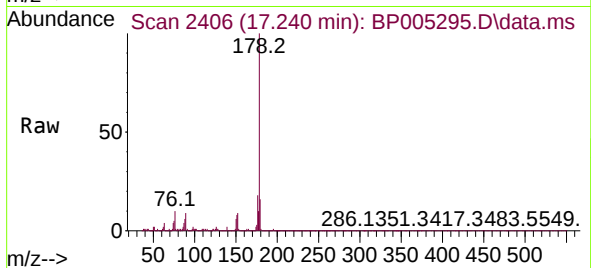
Instrument :

BNA_P

ClientSampleId :

NANUET-ST-041221

Tgt Ion:178	Resp:	176021
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.0 22.4
179	16.4	12.5 18.7



#73

Carbazole

Concen: 2.94 ng

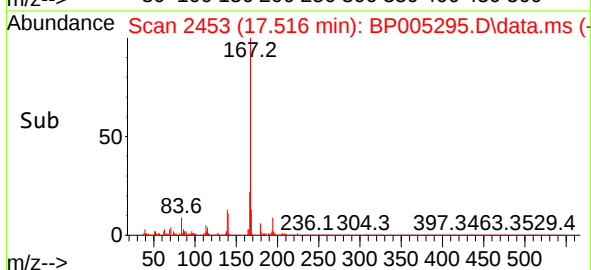
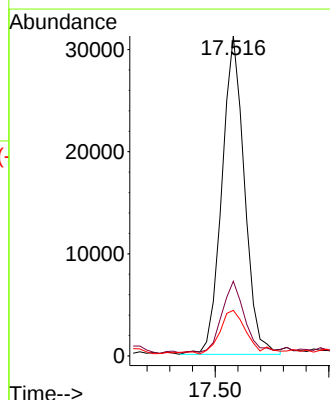
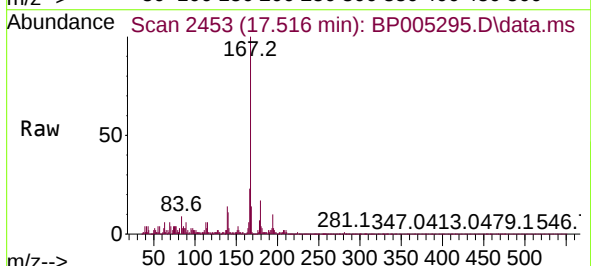
RT: 17.516 min Scan# 2453

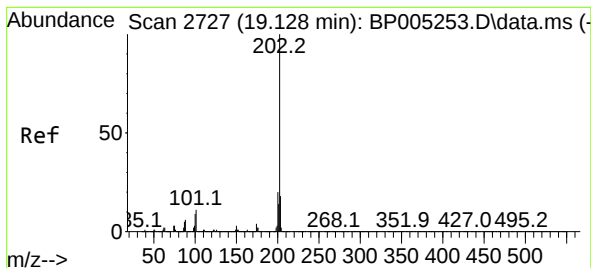
Delta R.T. 0.000 min

Lab File: BP005295.D

Acq: 13 Apr 2021 19:41

Tgt Ion:167	Resp:	43123
Ion Ratio	Lower	Upper
167	100	
166	23.3	17.6 26.4
139	14.2	10.2 15.4

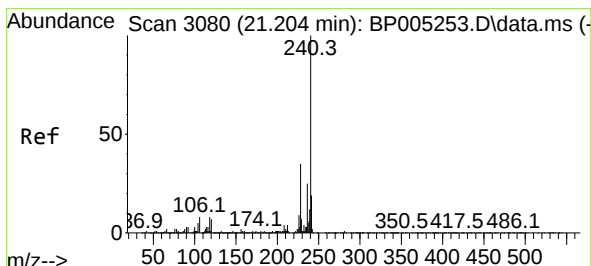
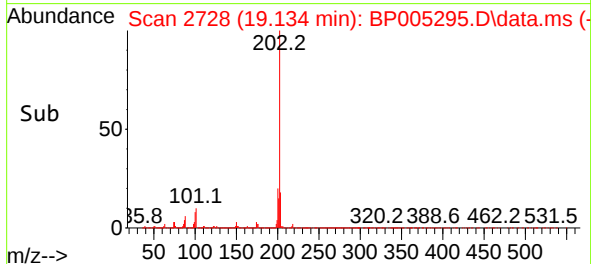
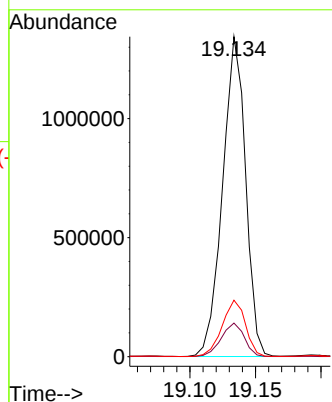
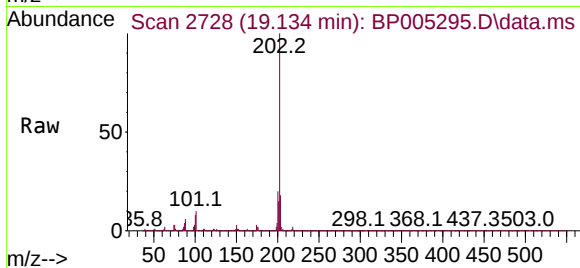




#75
Fluoranthene
Concen: 84.15 ng
RT: 19.134 min Scan# 2728
Delta R.T. 0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

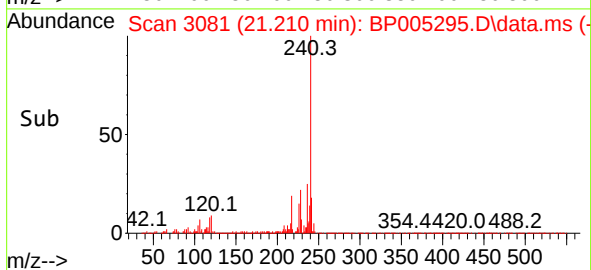
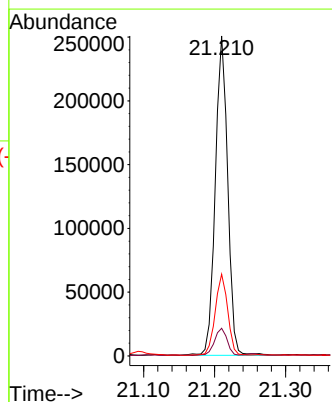
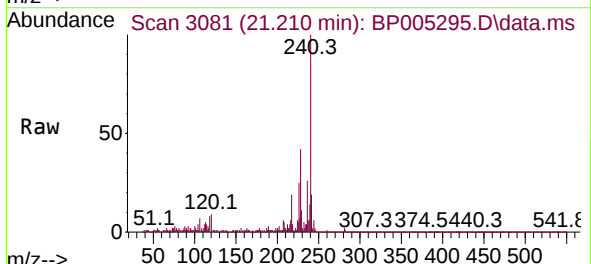
Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

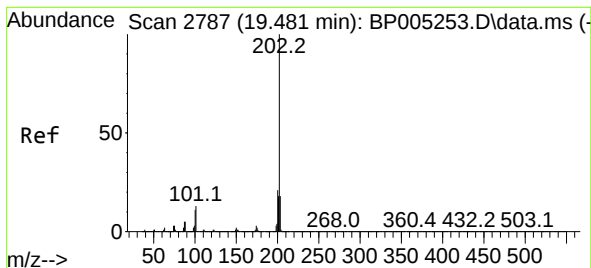
Tgt Ion:202 Resp: 1638962
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.4
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.210 min Scan# 3081
Delta R.T. 0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:240 Resp: 303023
Ion Ratio Lower Upper
240 100
120 8.6 7.8 11.6
236 25.6 20.8 31.2





#78

Pyrene

Concen: 91.69 ng

RT: 19.486 min Scan# 2788

Delta R.T. 0.006 min

Lab File: BP005295.D

Acq: 13 Apr 2021 19:41

Instrument :

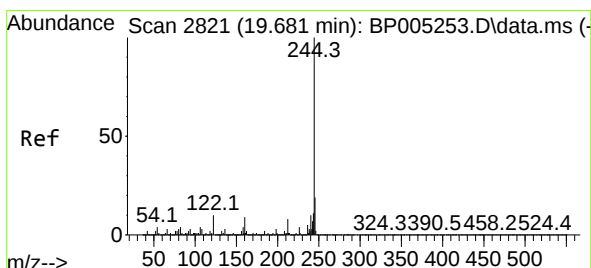
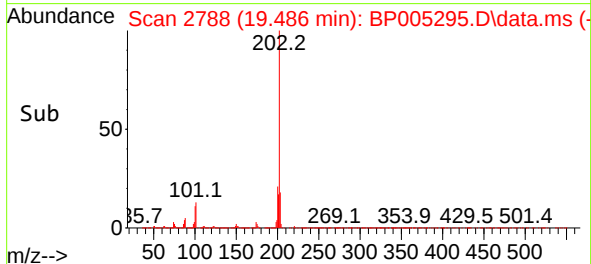
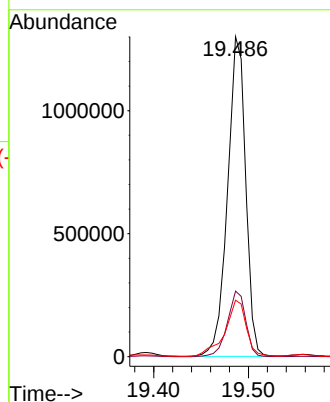
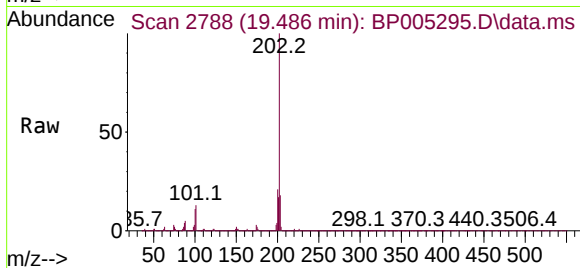
BNA_P

ClientSampleId :

NANUET-ST-041221

Tgt Ion:202 Resp: 1726754

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.1	25.7
203	17.7	14.2	21.2



#79

Terphenyl-d14

Concen: 50.76 ng

RT: 19.681 min Scan# 2821

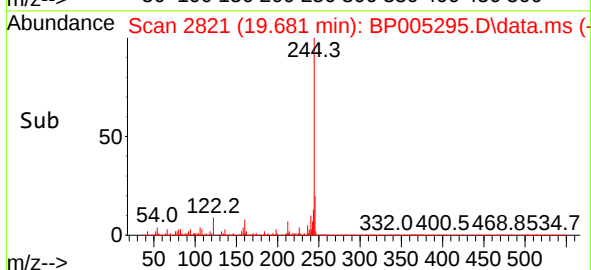
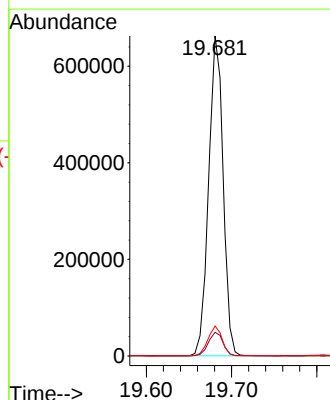
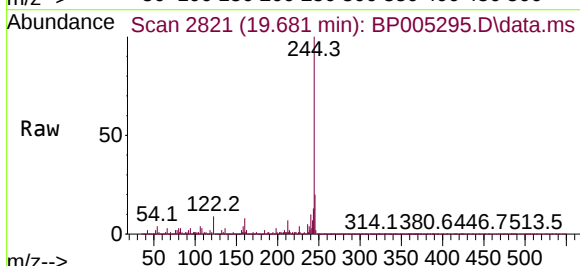
Delta R.T. 0.000 min

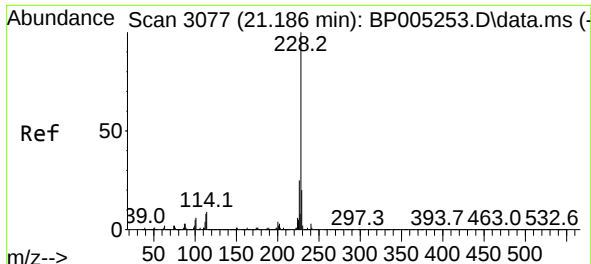
Lab File: BP005295.D

Acq: 13 Apr 2021 19:41

Tgt Ion:244 Resp: 782985

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.4	7.8	11.8

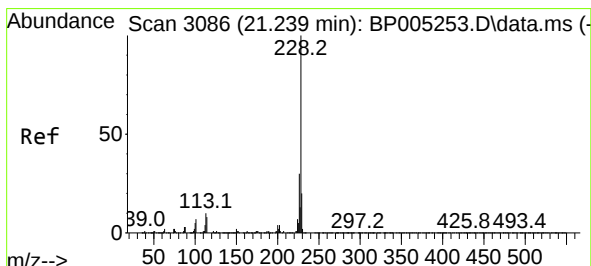
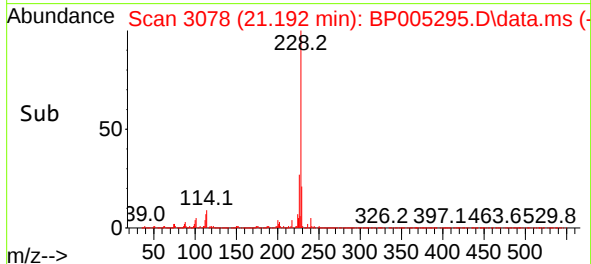
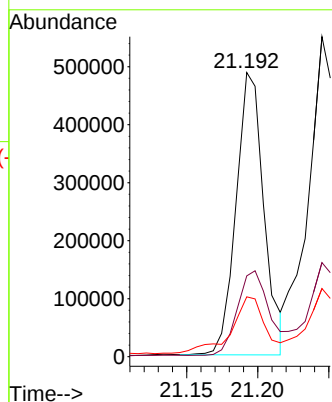
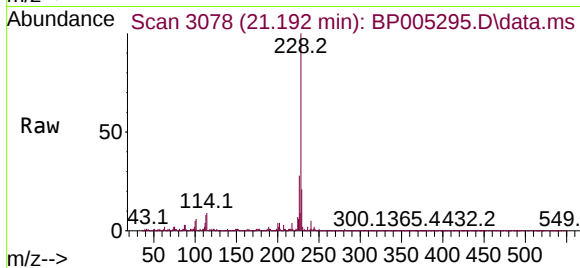




#81
Benzo(a)anthracene
Concen: 33.26 ng
RT: 21.192 min Scan# 3078
Delta R.T. 0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

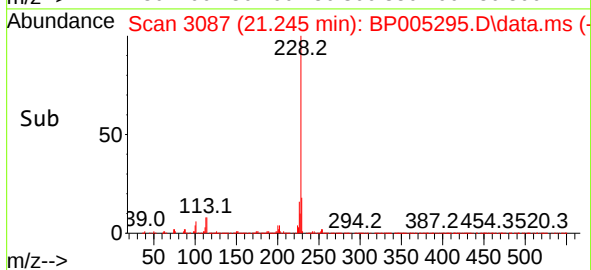
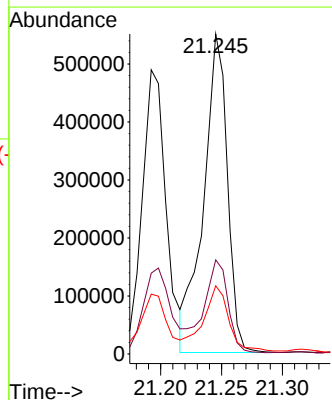
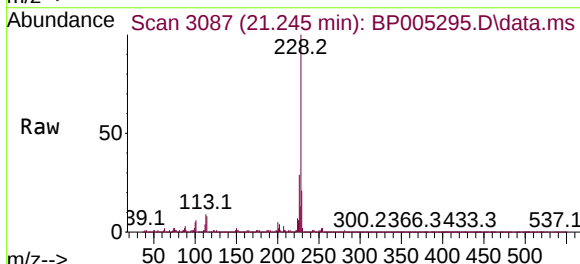
Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

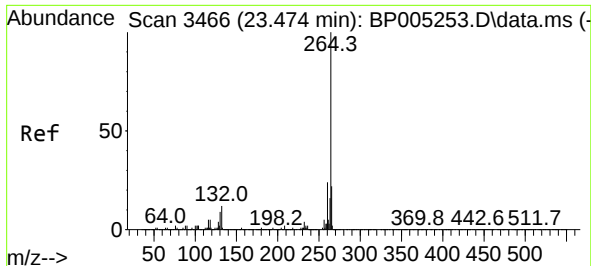
Tgt Ion:228 Resp: 665035
Ion Ratio Lower Upper
228 100
226 28.5 22.1 33.1
229 21.0 15.9 23.9



#83
Chrysene
Concen: 38.51 ng
RT: 21.245 min Scan# 3087
Delta R.T. 0.006 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:228 Resp: 748966
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 21.3 15.8 23.6

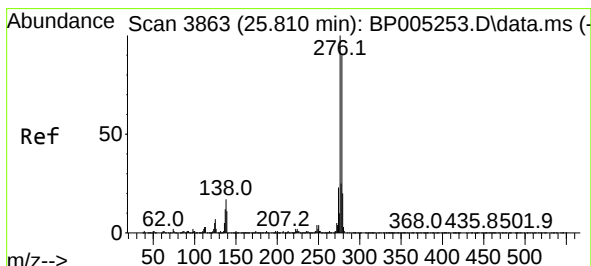
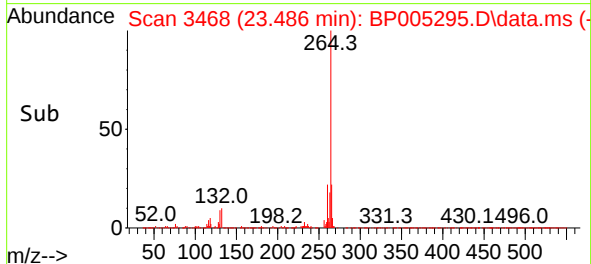
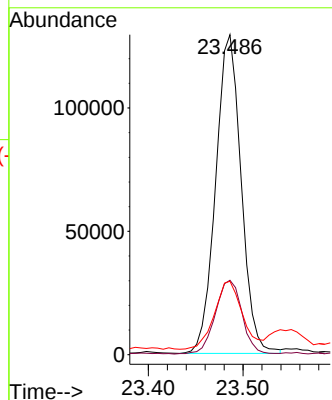
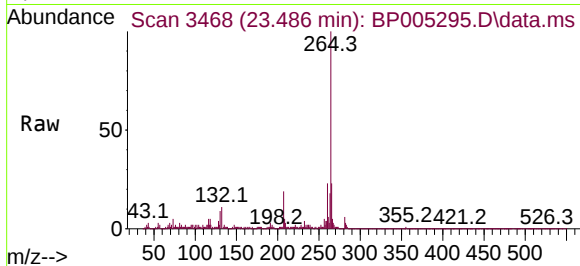




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.486 min Scan# 3468
Delta R.T. 0.012 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

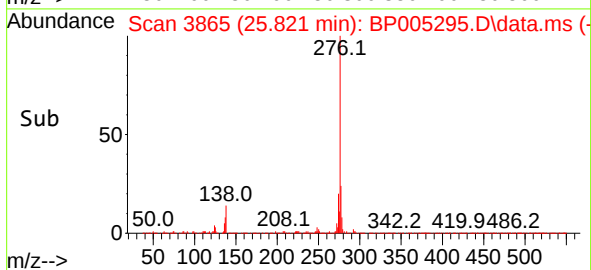
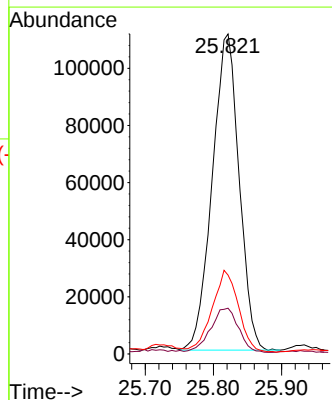
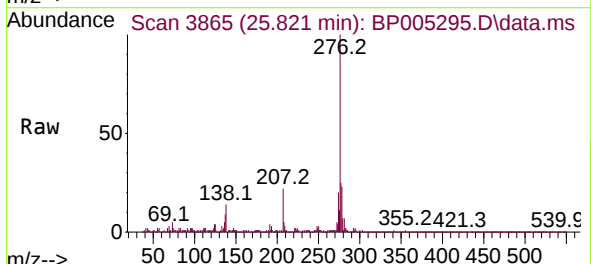
Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

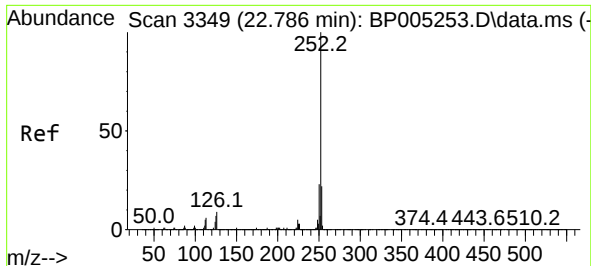
Tgt Ion:264 Resp: 242088
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 22.9 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.36 ng
RT: 25.821 min Scan# 3865
Delta R.T. 0.012 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:276 Resp: 302786
Ion Ratio Lower Upper
276 100
138 14.5 18.7 28.1#
277 25.5 20.4 30.6

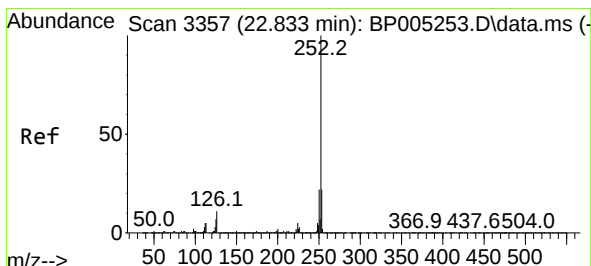
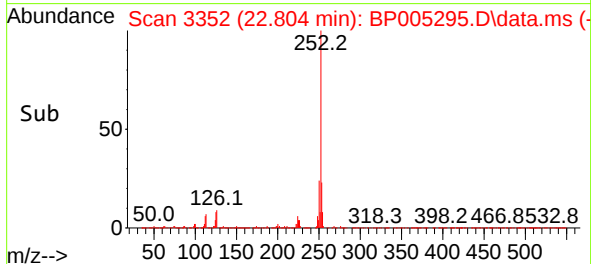
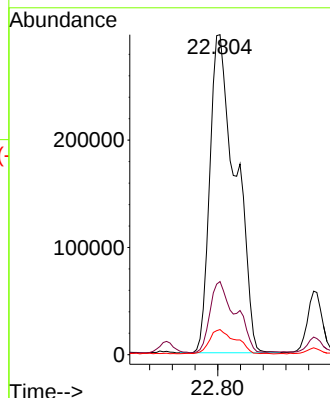
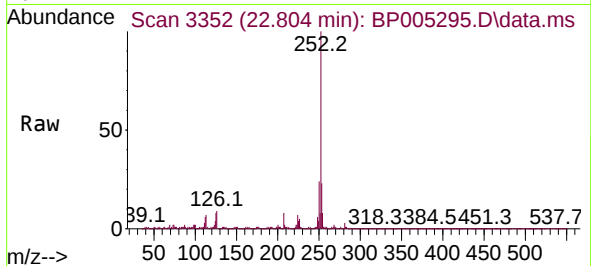




#88
Benzo(b)fluoranthene
Concen: 59.07 ng
RT: 22.804 min Scan# 3352
Delta R.T. 0.018 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

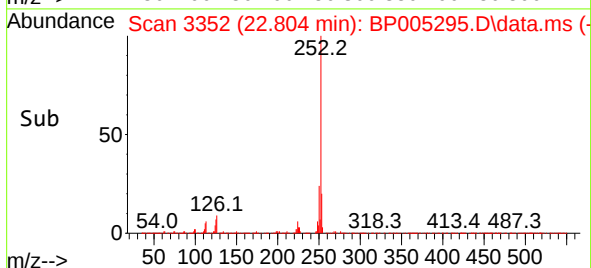
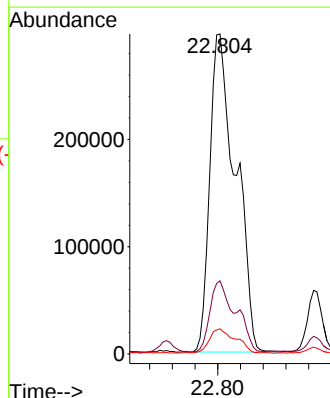
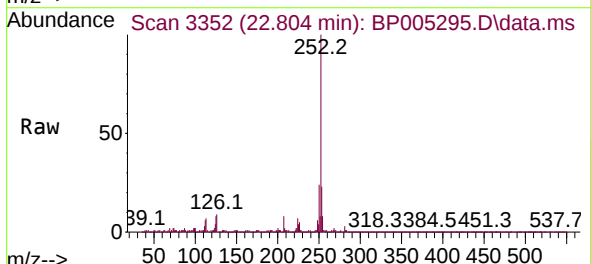
Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

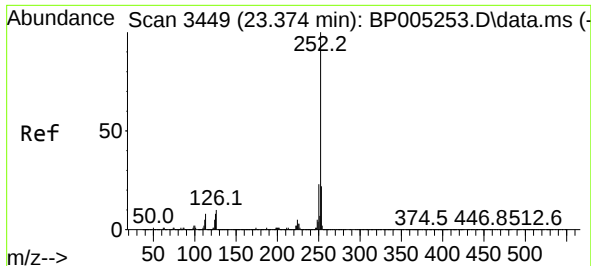
Tgt Ion:252 Resp: 936096
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 7.9 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 61.63 ng
RT: 22.804 min Scan# 3352
Delta R.T. -0.029 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:252 Resp: 936096
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 7.9 7.4 11.2

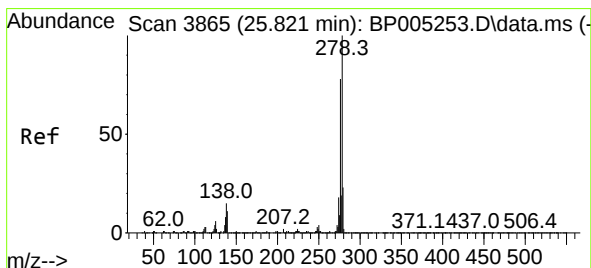
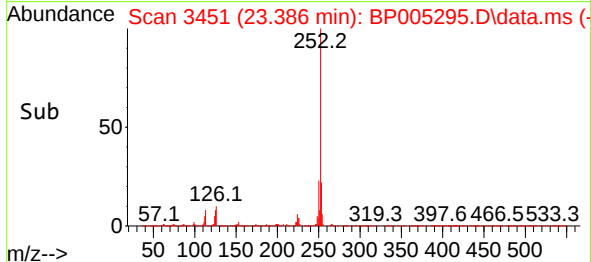
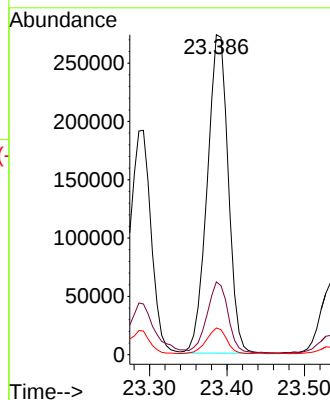
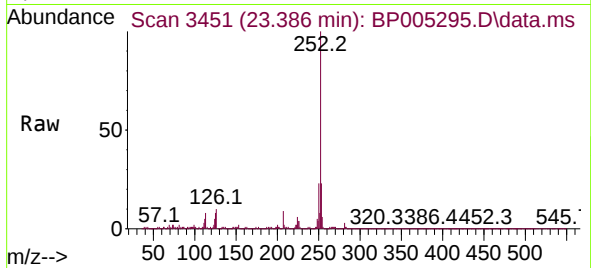




#90
Benzo(a)pyrene
Concen: 35.10 ng
RT: 23.386 min Scan# 3451
Delta R.T. 0.012 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

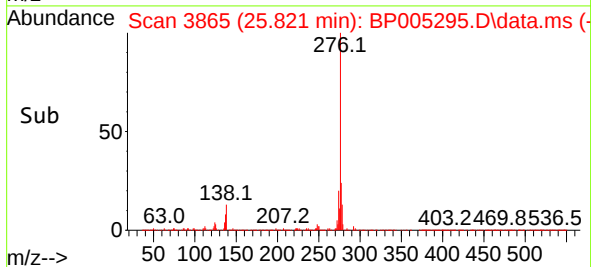
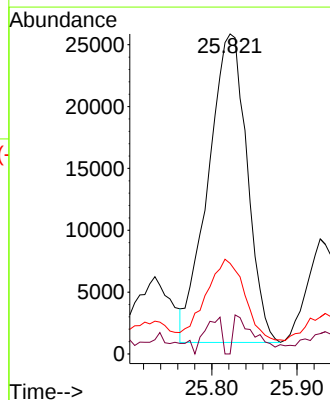
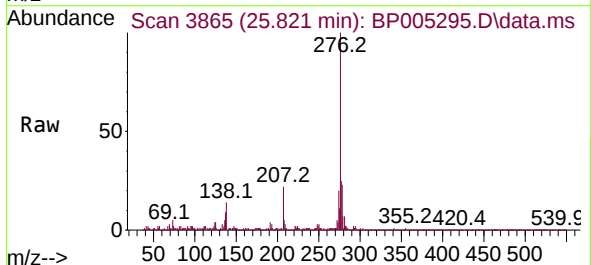
Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

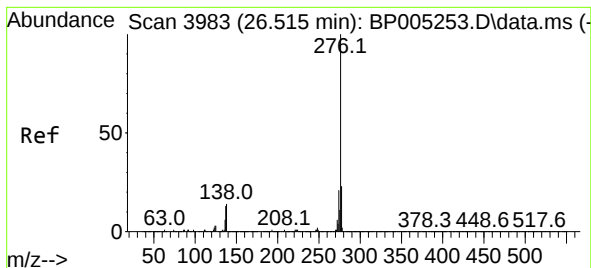
Tgt Ion:252 Resp: 514723
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 8.4 8.2 12.4



#91
Dibenzo(a,h)anthracene
Concen: 4.91 ng
RT: 25.821 min Scan# 3865
Delta R.T. 0.000 min
Lab File: BP005295.D
Acq: 13 Apr 2021 19:41

Tgt Ion:278 Resp: 79233
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 28.3 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 20.11 ng

RT: 26.539 min Scan# 3987

Delta R.T. 0.024 min

Lab File: BP005295.D

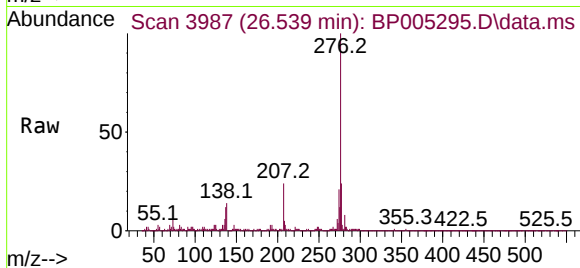
Acq: 13 Apr 2021 19:41

Instrument :

BNA_P

ClientSampleId :

NANUET-ST-041221



Tgt Ion:276 Resp: 313780

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 14.1 16.6 24.8#

