

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008427.D
 Acq On : 15 Dec 2021 20:57
 Operator : CG/JU
 Sample : M5065-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 UV-1WC

Quant Time: Dec 15 21:35:23 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

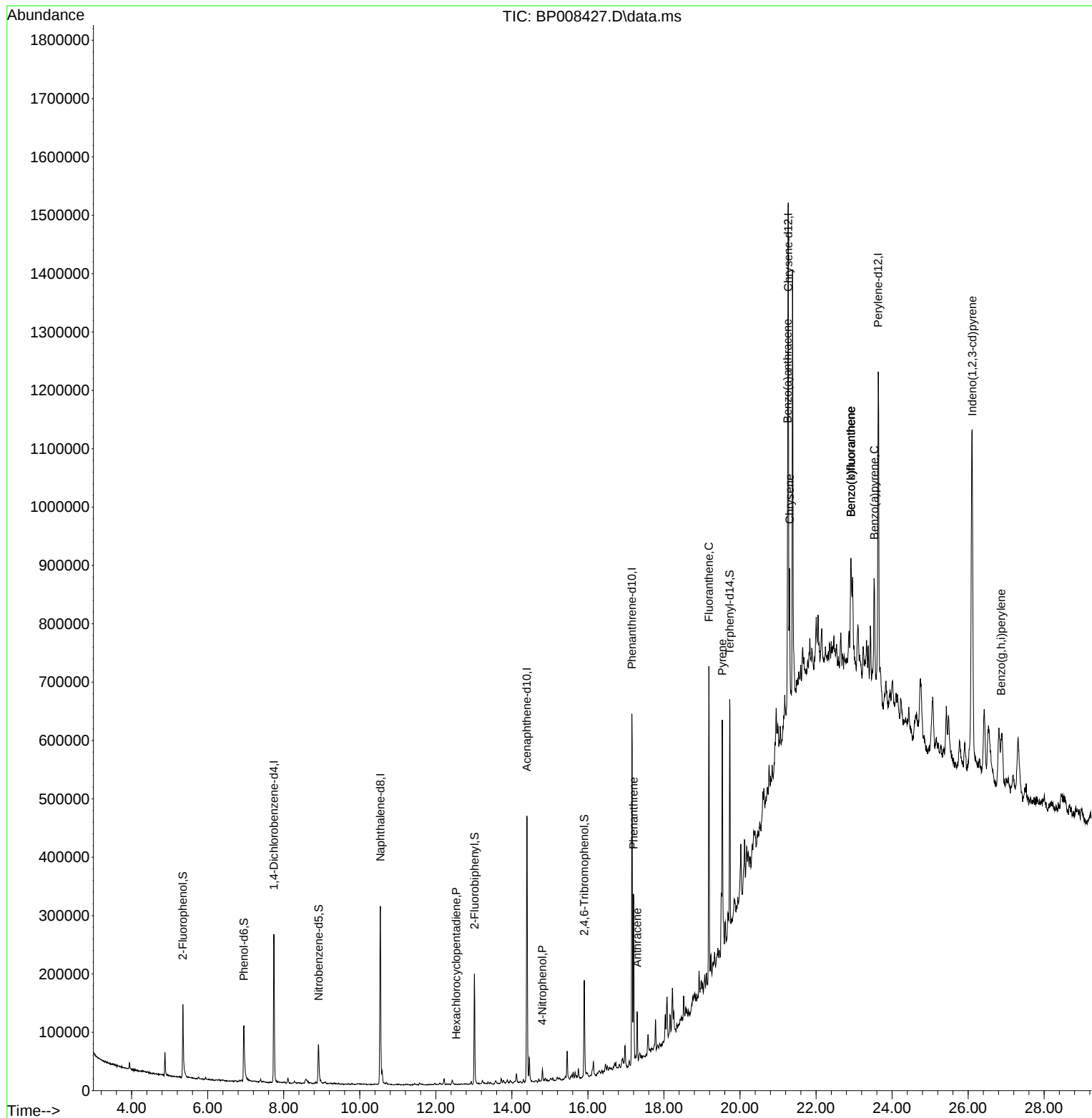
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	66336	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	243916	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	164268	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	353161	20.000	ng	0.00
76) Chrysene-d12	21.269	240	390979	20.000	ng	0.00
86) Perylene-d12	23.633	264	430907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	57095	13.592	ng	0.00
7) Phenol-d6	6.952	99	71716	12.712	ng	0.01
23) Nitrobenzene-d5	8.916	82	50084	8.699	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	31692	13.128	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	103241	7.989	ng	0.00
79) Terphenyl-d14	19.728	244	183928	8.187	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	110	Below Cal	#	1
9) Benzaldehyde	6.893	77	80	Below Cal	#	11
41) Hexachlorocyclopentadiene	12.540	237	12	8.658	ng	82
56) 4-Nitrophenol	14.798	139	5095	3.588	ng	# 6
71) Phenanthrene	17.198	178	170003	8.886	ng	99
72) Anthracene	17.292	178	53014	2.809	ng	99
75) Fluoranthene	19.180	202	299646	13.874	ng	98
78) Pyrene	19.533	202	242804	8.680	ng	99
81) Benzo(a)anthracene	21.251	228	147794	5.640	ng	97
83) Chrysene	21.304	228	122647	4.900	ng	97
87) Indeno(1,2,3-cd)pyrene	26.110	276	70758	2.086	ng	# 94
88) Benzo(b)fluoranthene	22.921	252	158833	6.128	ng	# 92
89) Benzo(k)fluoranthene	22.921	252	158833	6.076	ng	# 91
90) Benzo(a)pyrene	23.533	252	112289	4.991	ng	# 93
92) Benzo(g,h,i)perylene	26.868	276	67430	2.398	ng	96

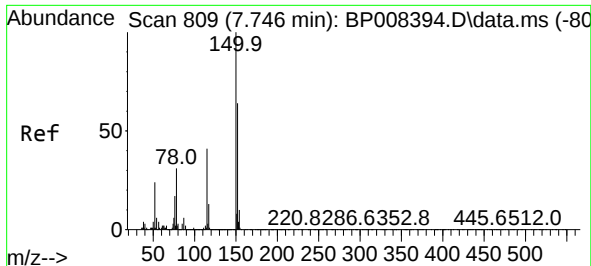
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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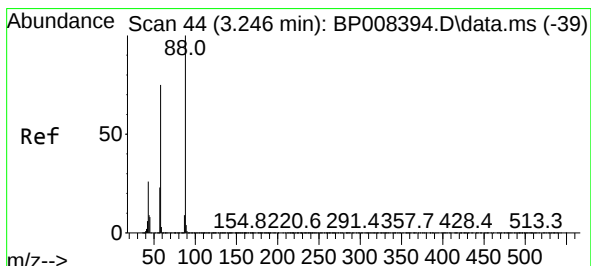
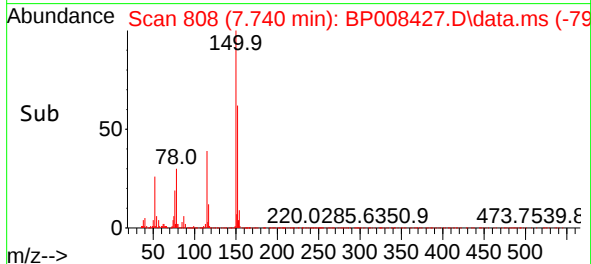
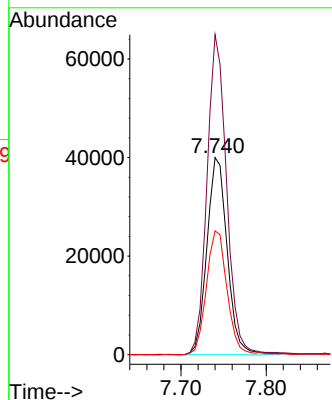
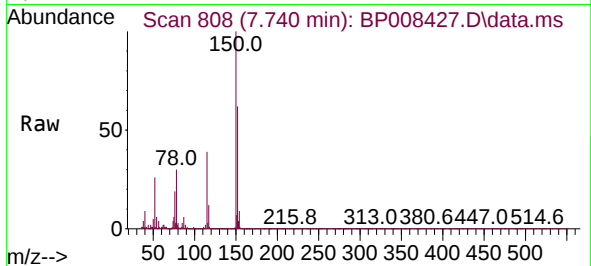




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.740 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

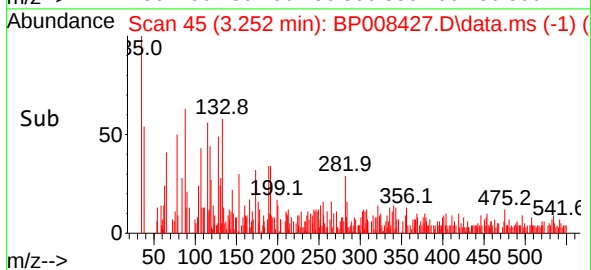
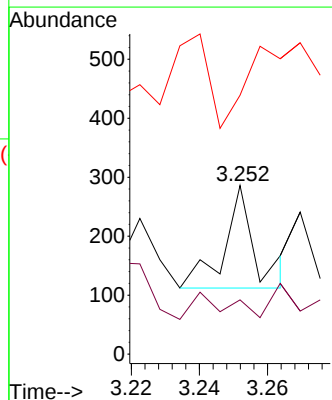
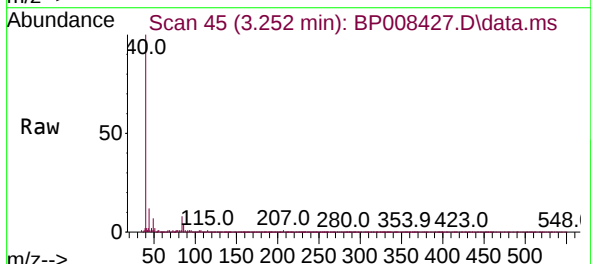
Instrument :
 BNA_P
 ClientSampleId :
 UV-1WC

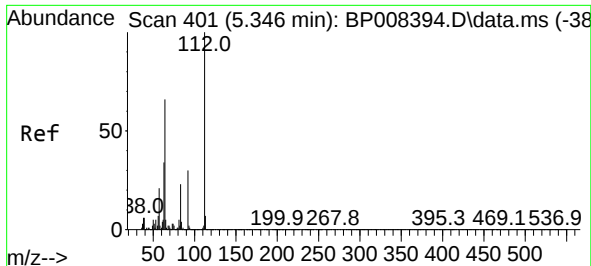
Tgt Ion:152 Resp: 66336
 Ion Ratio Lower Upper
 152 100
 150 162.3 125.7 188.5
 115 62.8 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.252 min Scan# 45
 Delta R.T. 0.006 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

Tgt Ion: 88 Resp: 110
 Ion Ratio Lower Upper
 88 100
 58 19.1 63.5 95.3#
 43 132.7 23.4 35.2#

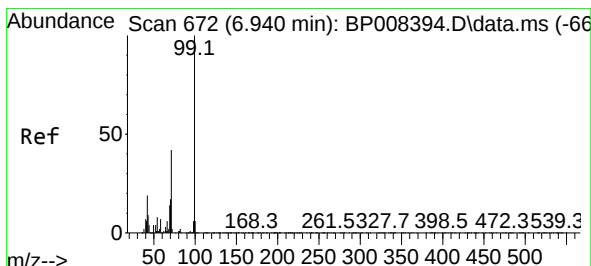
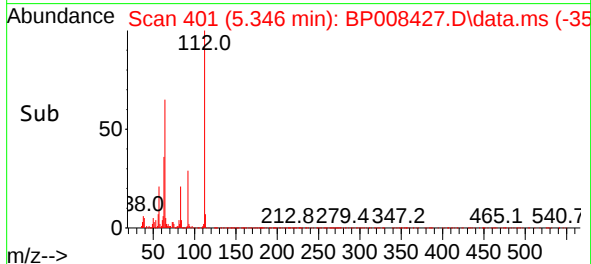
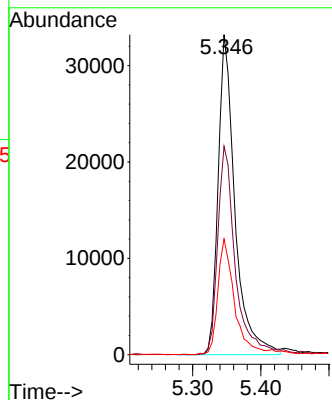
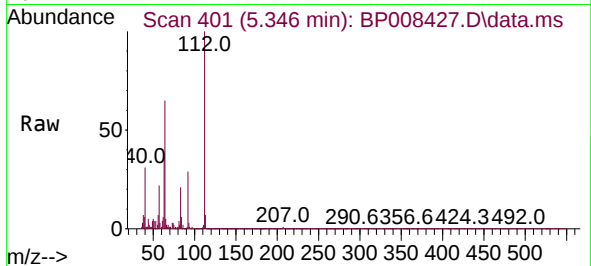




#5
2-Fluorophenol
Concen: 13.592 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

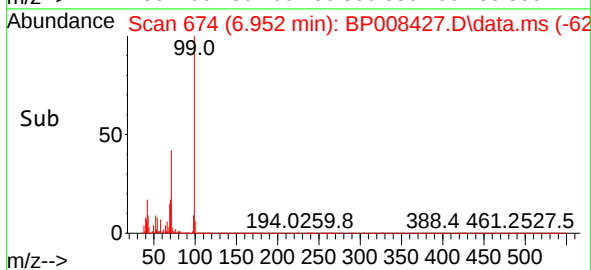
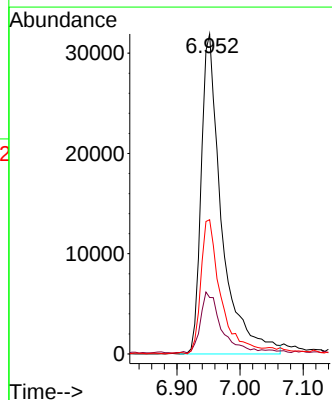
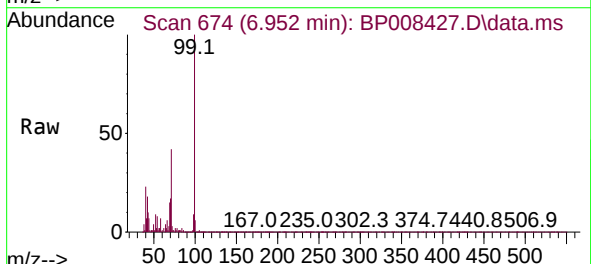
Instrument :
BNA_P
ClientSampleId :
UV-1WC

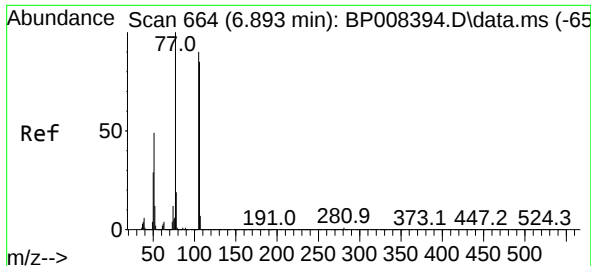
Tgt Ion:	112	Resp:	57095
Ion Ratio	Lower	Upper	
112	100		
64	65.1	53.4	80.2
63	36.1	27.8	41.8



#7
Phenol-d6
Concen: 12.712 ng
RT: 6.952 min Scan# 674
Delta R.T. 0.012 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:	99	Resp:	71716
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.6	22.0
71	41.9	31.1	46.7

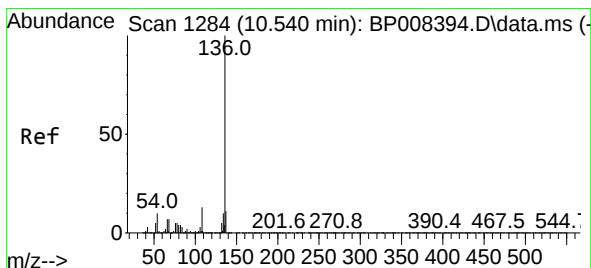
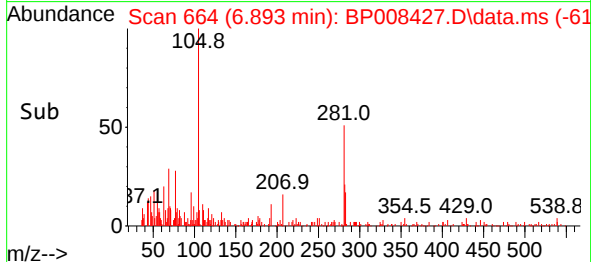
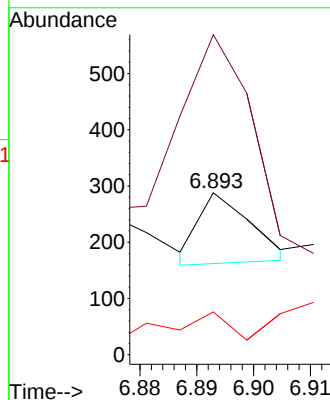
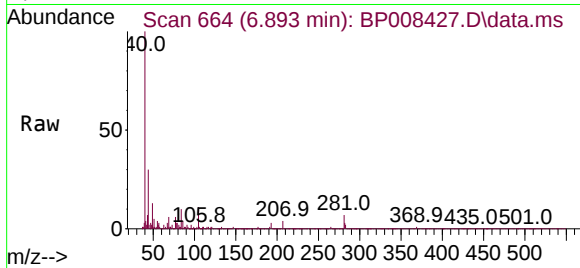




#9
Benzaldehyde
Concen: Below Cal
RT: 6.893 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

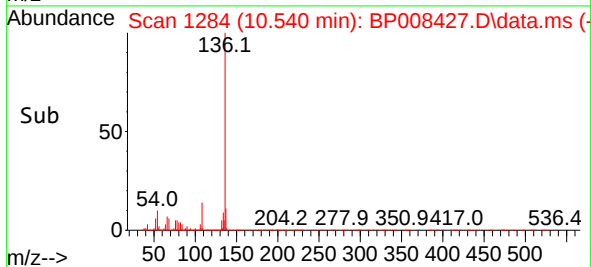
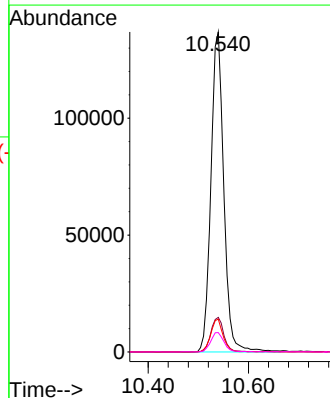
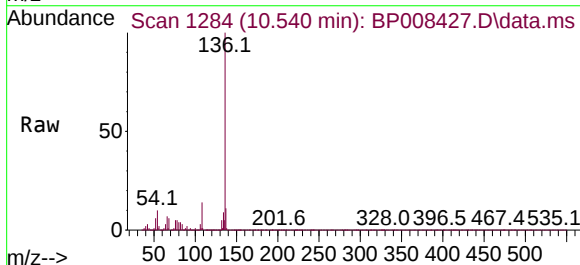
Instrument :
BNA_P
ClientSampleId :
UV-1WC

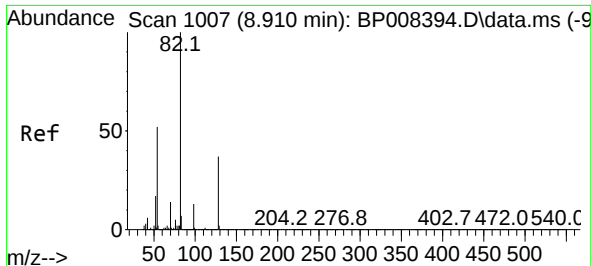
Tgt Ion: 77 Resp: 80
Ion Ratio Lower Upper
77 100
105 197.6 71.8 111.8#
106 26.4 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion: 136 Resp: 243916
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 10.2 8.2 12.4
68 6.1 5.8 8.8





#23

Nitrobenzene-d5

Concen: 8.699 ng

RT: 8.916 min Scan# 1007

Delta R.T. 0.006 min

Lab File: BP008427.D

Acq: 15 Dec 2021 20:57

Instrument :

BNA_P

ClientSampleId :

UV-1WC

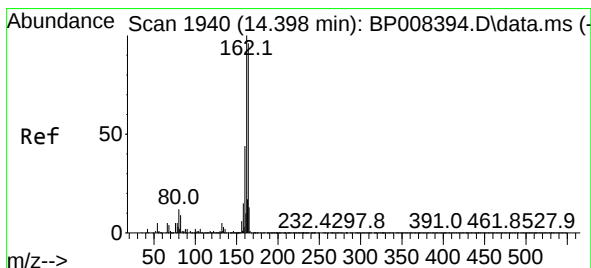
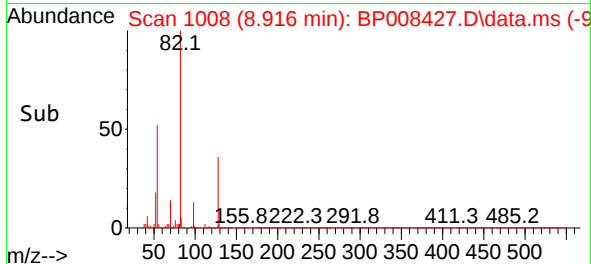
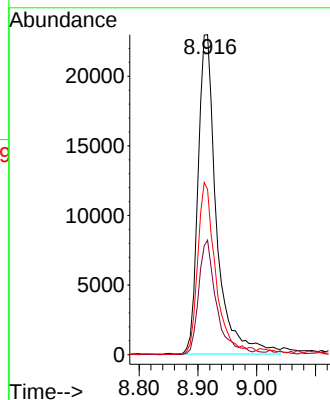
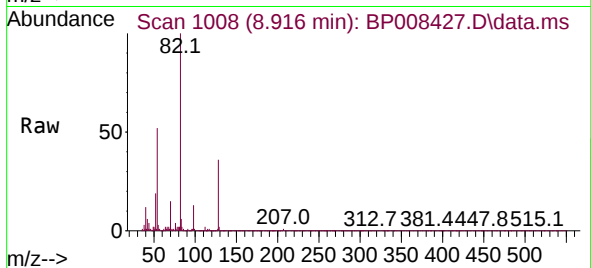
Tgt Ion: 82 Resp: 50084

Ion Ratio Lower Upper

82 100

128 35.8 29.6 44.4

54 51.6 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.393 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BP008427.D

Acq: 15 Dec 2021 20:57

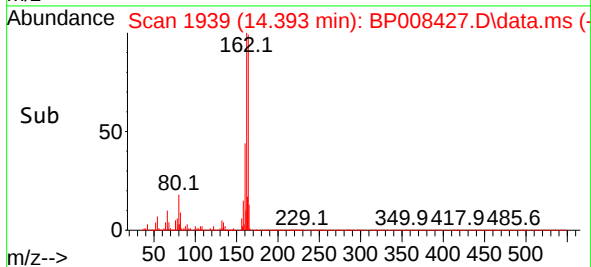
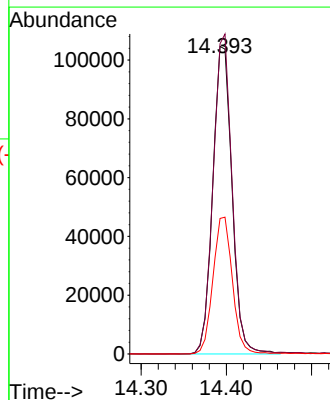
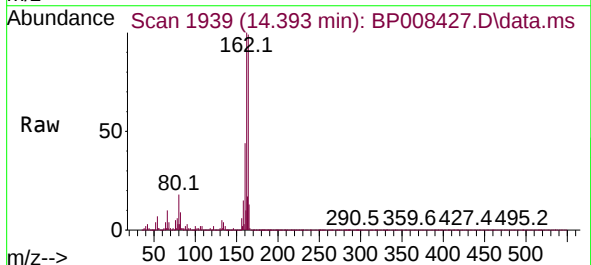
Tgt Ion: 164 Resp: 164268

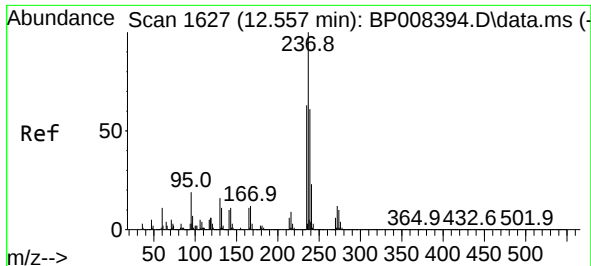
Ion Ratio Lower Upper

164 100

162 100.9 81.9 122.9

160 44.1 35.4 53.0

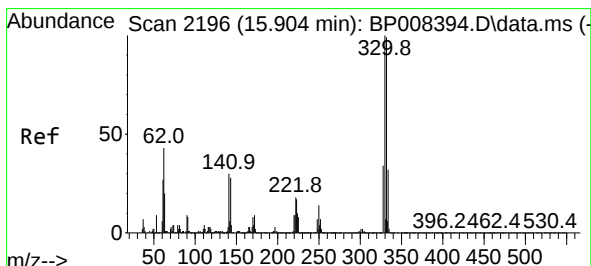
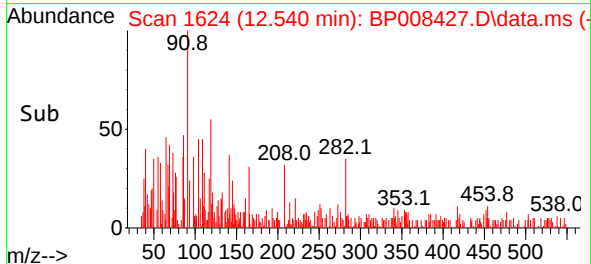
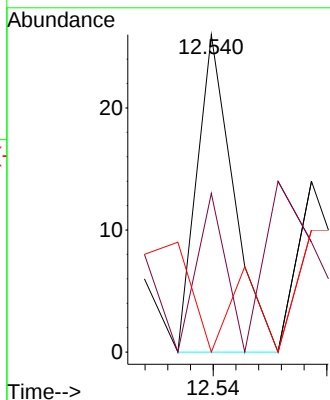
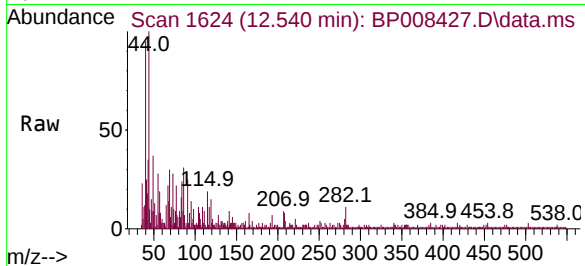




#41
Hexachlorocyclopentadiene
Concen: 8.658 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

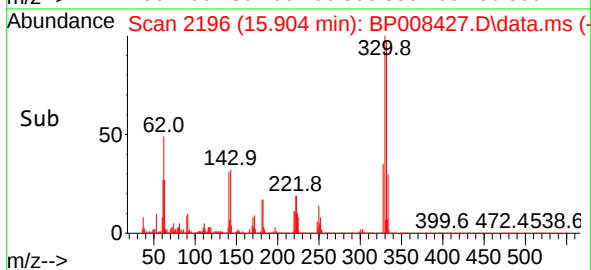
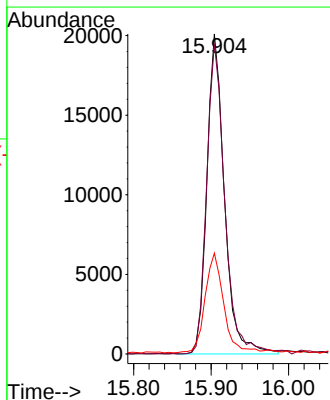
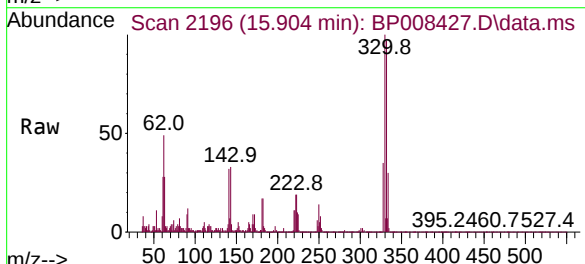
Instrument :
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UV-1WC

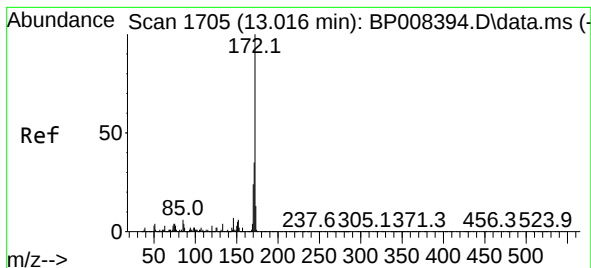
Tgt Ion:237	Resp:	12
Ion Ratio	Lower	Upper
237	100	
235	50.0	42.3 82.3
272	0.0	0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 13.128 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:330	Resp:	31692
Ion Ratio	Lower	Upper
330	100	
332	100.5	77.0 115.4
141	33.1	28.4 42.6





#45

2-Fluorobiphenyl

Concen: 7.989 ng

RT: 13.016 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP008427.D

Acq: 15 Dec 2021 20:57

Instrument :

BNA_P

ClientSampleId :

UV-1WC

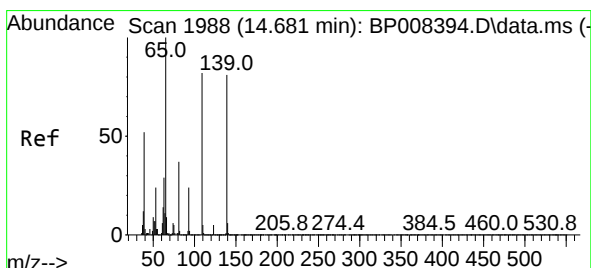
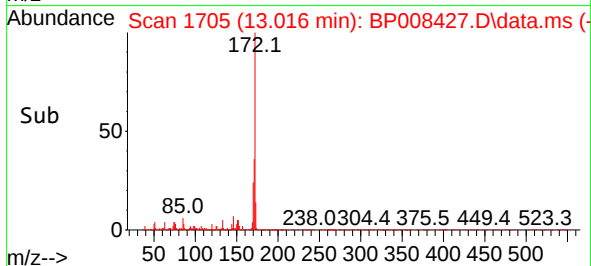
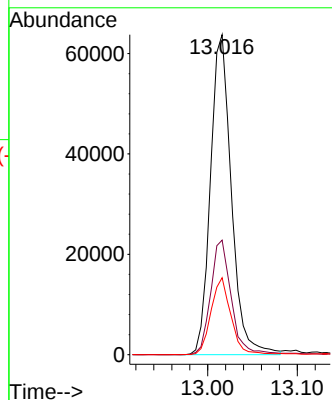
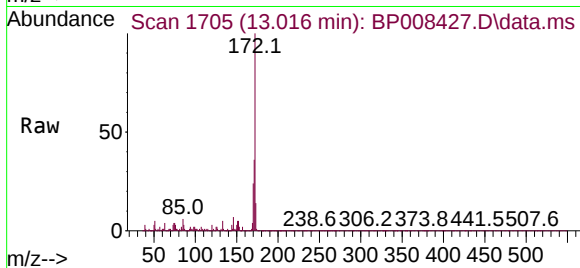
Tgt Ion:172 Resp: 103241

Ion Ratio Lower Upper

172 100

171 35.8 28.0 42.0

170 24.1 18.9 28.3



#56

4-Nitrophenol

Concen: 3.588 ng

RT: 14.798 min Scan# 2008

Delta R.T. 0.118 min

Lab File: BP008427.D

Acq: 15 Dec 2021 20:57

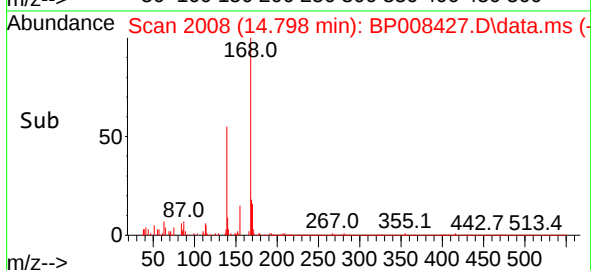
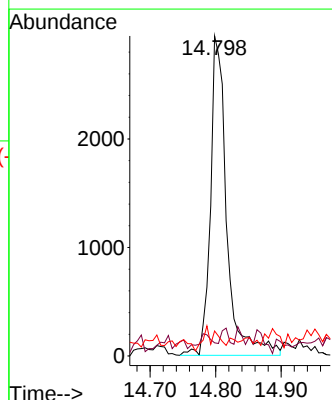
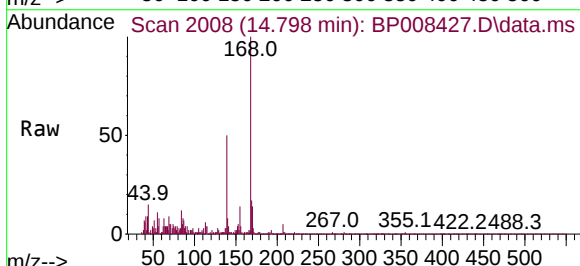
Tgt Ion:139 Resp: 5095

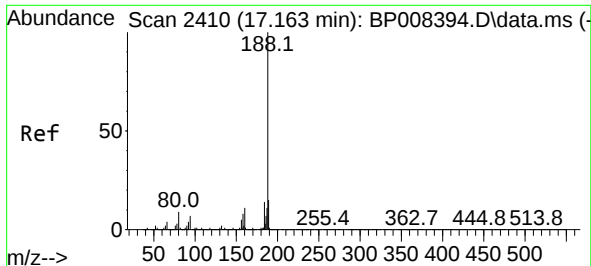
Ion Ratio Lower Upper

139 100

109 4.1 65.9 105.9#

65 7.8 91.9 131.9#

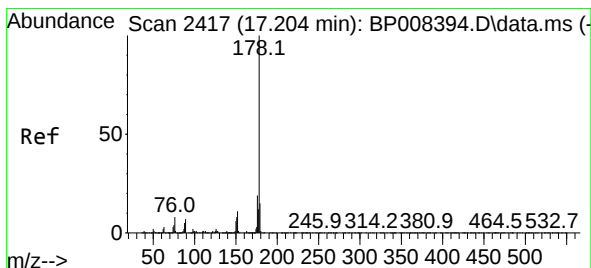
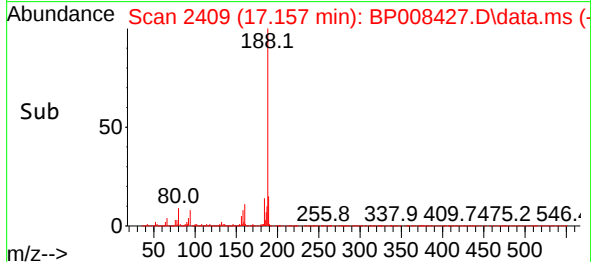
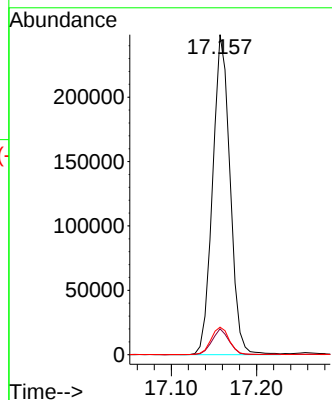
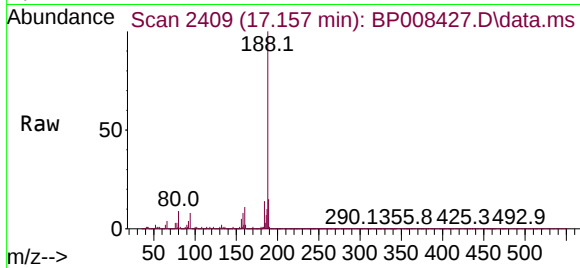




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

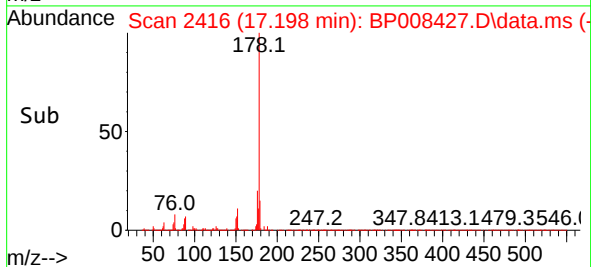
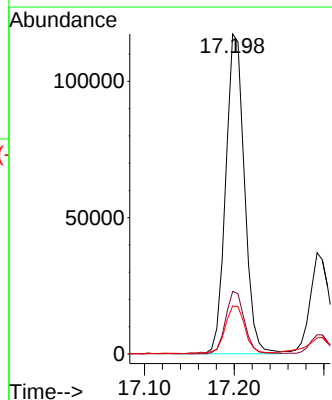
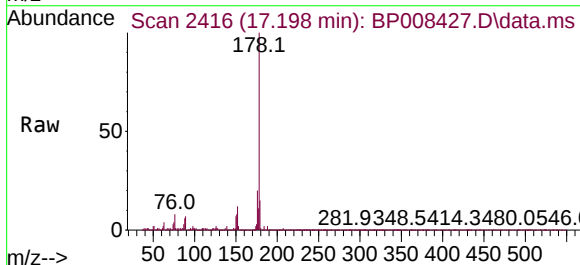
Instrument :
BNA_P
ClientSampleId :
UV-1WC

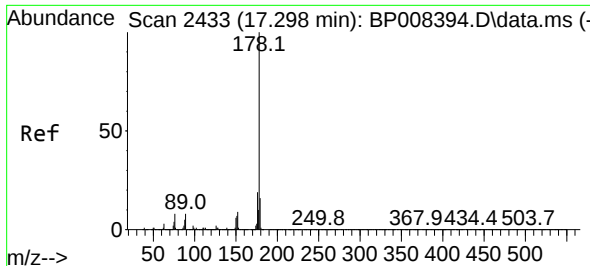
Tgt Ion:188 Resp: 353161
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.6 8.2 12.4



#71
Phenanthrene
Concen: 8.886 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:178 Resp: 170003
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.0 12.5 18.7

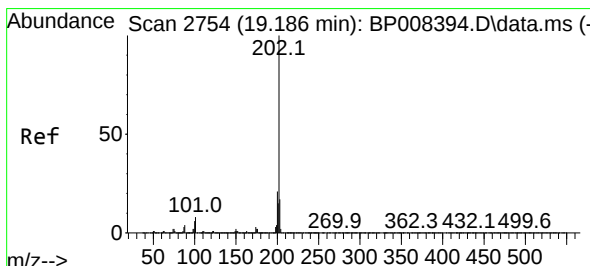
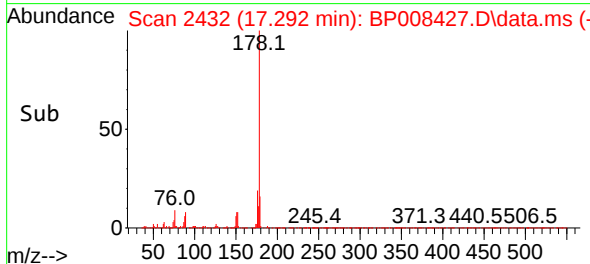
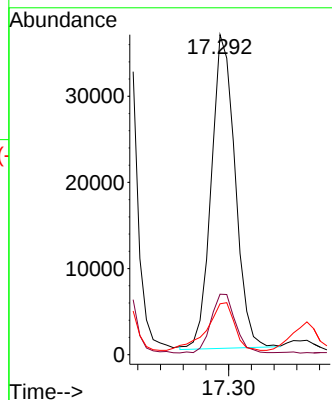
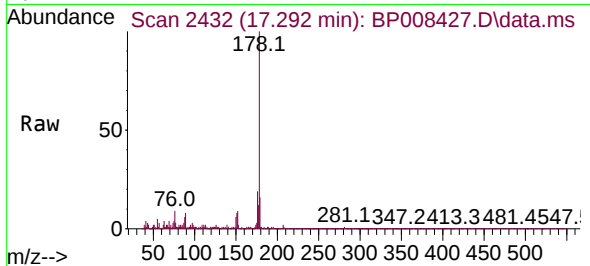




#72
 Anthracene
 Concen: 2.809 ng
 RT: 17.292 min Scan# 2433
 Delta R.T. -0.006 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

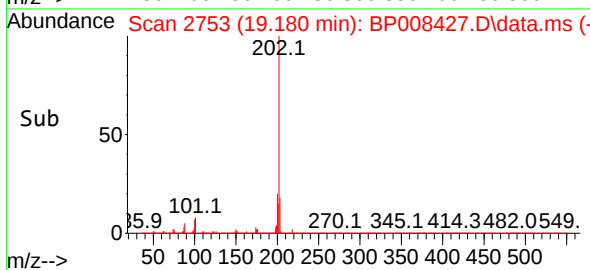
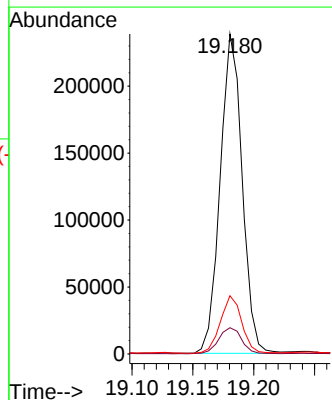
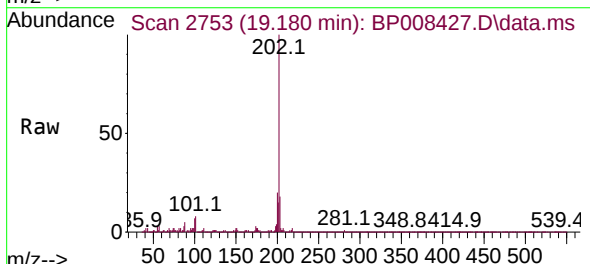
Instrument :
 BNA_P
 ClientSampleId :
 UV-1WC

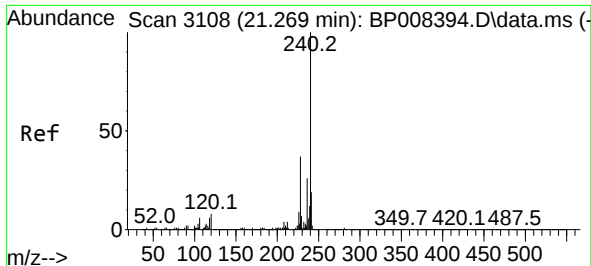
Tgt Ion:178	Resp:	53014
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.1 22.7
179	15.9	12.3 18.5



#75
 Fluoranthene
 Concen: 13.874 ng
 RT: 19.180 min Scan# 2753
 Delta R.T. -0.006 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

Tgt Ion:202	Resp:	299646
Ion Ratio	Lower	Upper
202	100	
101	8.2	0.0 29.8
203	18.2	0.0 37.7

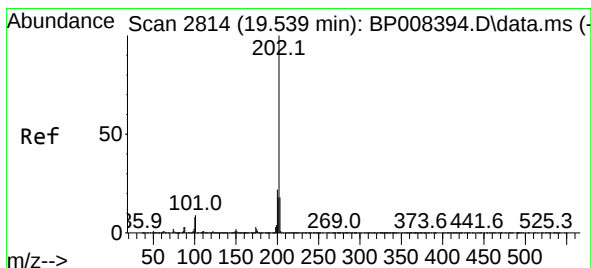
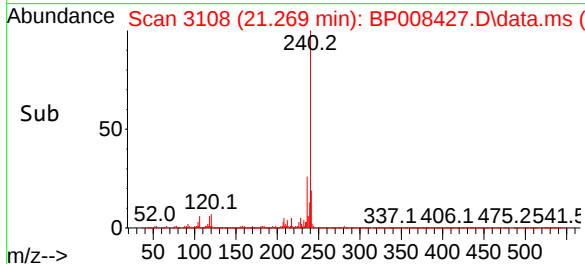
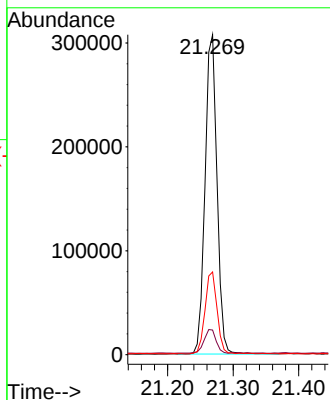
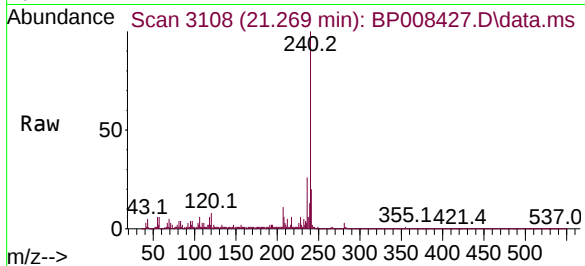




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

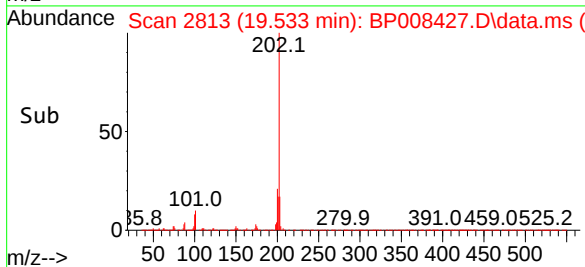
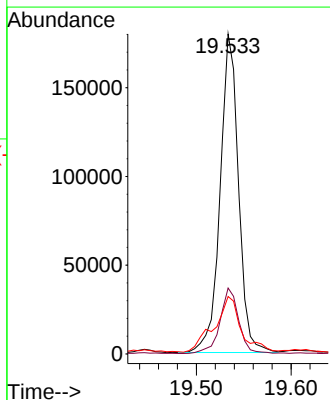
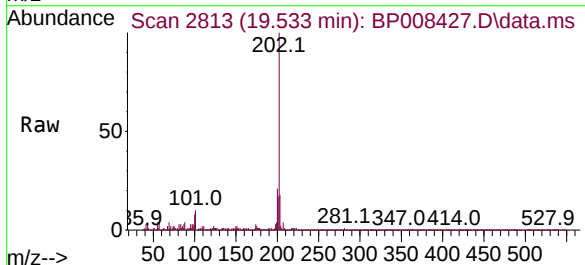
Instrument :
BNA_P
ClientSampleId :
UV-1WC

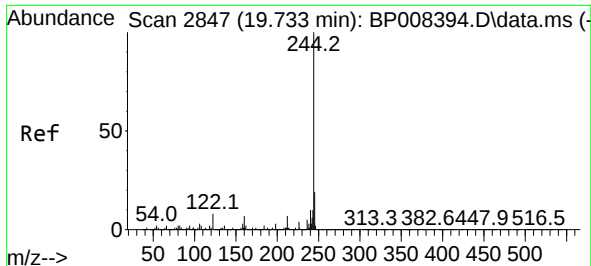
Tgt Ion:240 Resp: 390979
Ion Ratio Lower Upper
240 100
120 7.7 7.3 10.9
236 25.8 21.4 32.2



#78
Pyrene
Concen: 8.680 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:202 Resp: 242804
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.9 14.2 21.2



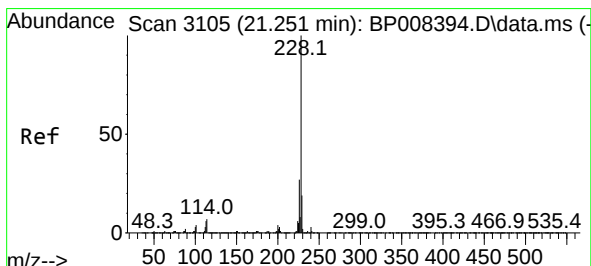
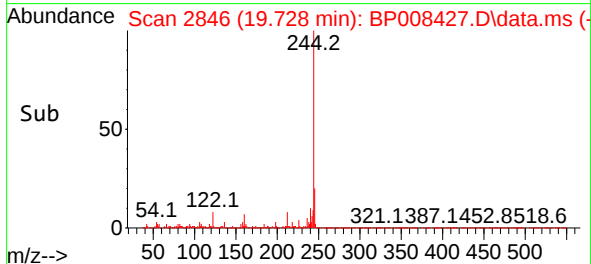
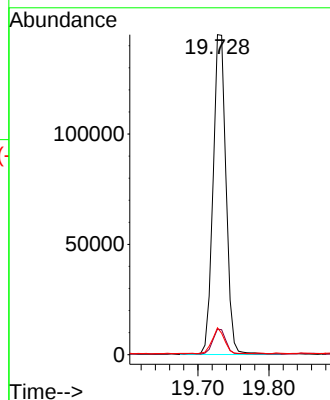
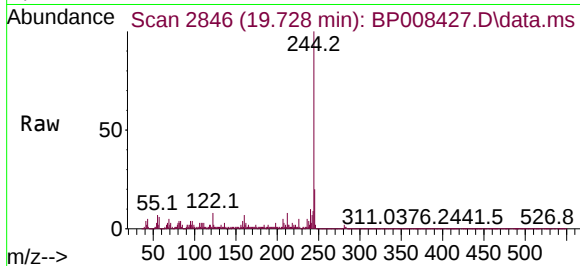


#79
 Terphenyl-d14
 Concen: 8.187 ng
 RT: 19.728 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

Instrument :
 BNA_P
 ClientSampleId :
 UV-1WC

Tgt Ion:244 Resp: 183928

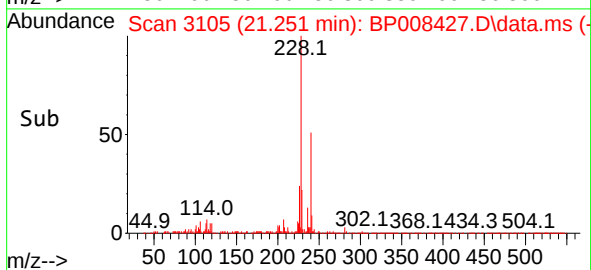
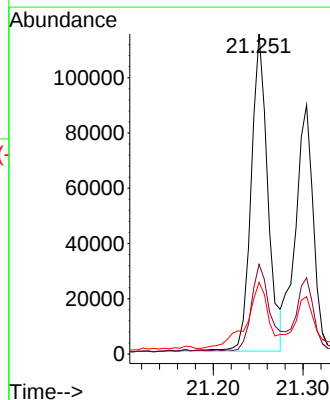
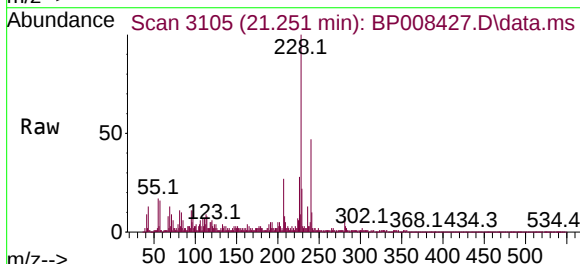
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	8.4	6.6	9.8

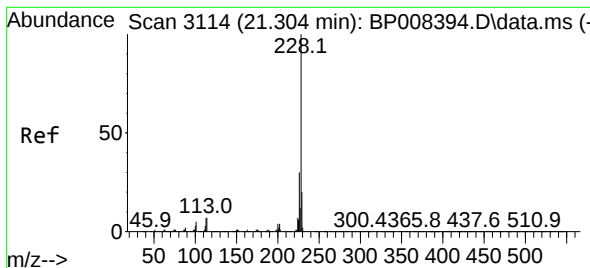


#81
 Benzo(a)anthracene
 Concen: 5.640 ng
 RT: 21.251 min Scan# 3105
 Delta R.T. 0.000 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

Tgt Ion:228 Resp: 147794

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	22.4	15.9	23.9





#83

Chrysene

Concen: 4.900 ng

RT: 21.304 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BP008427.D

Acq: 15 Dec 2021 20:57

Instrument :

BNA_P

ClientSampleId :

UV-1WC

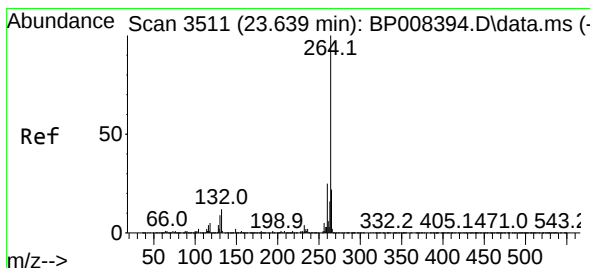
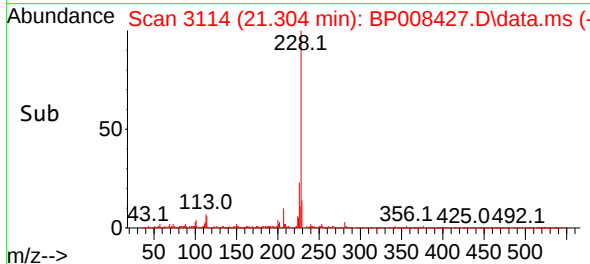
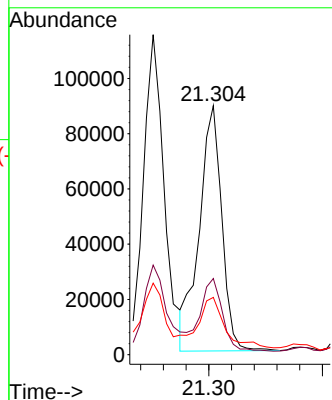
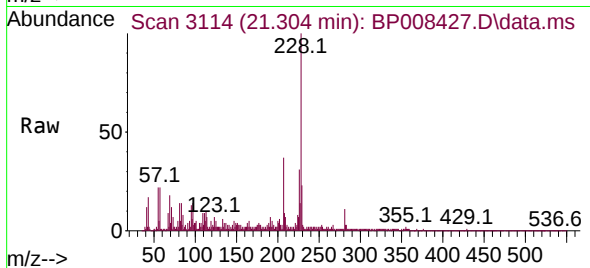
Tgt Ion:228 Resp: 122647

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

229 23.0 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.633 min Scan# 3510

Delta R.T. -0.006 min

Lab File: BP008427.D

Acq: 15 Dec 2021 20:57

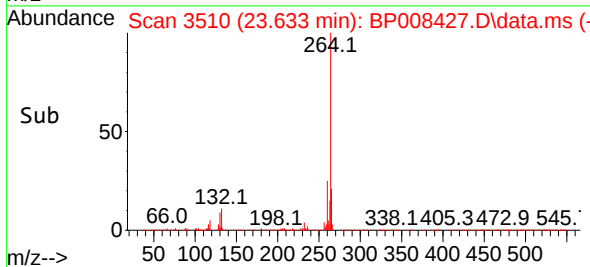
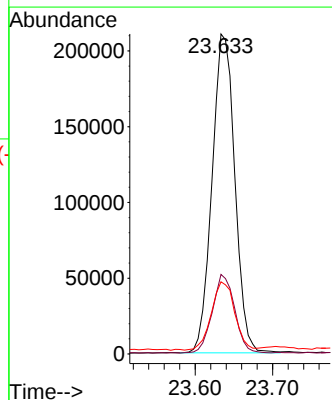
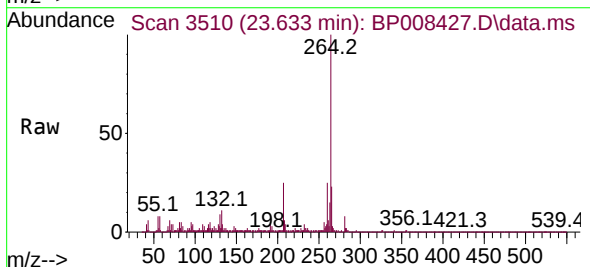
Tgt Ion:264 Resp: 430907

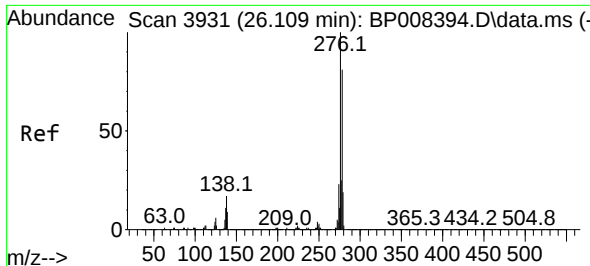
Ion Ratio Lower Upper

264 100

260 24.9 19.4 29.2

265 22.5 17.6 26.4

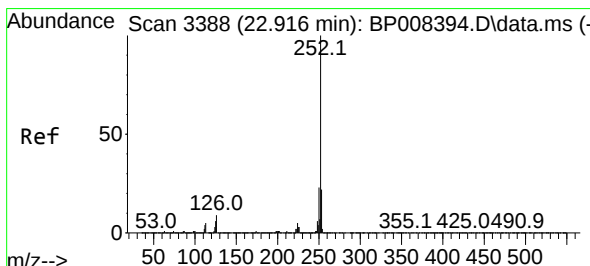
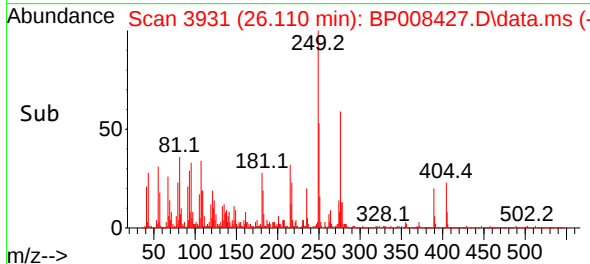
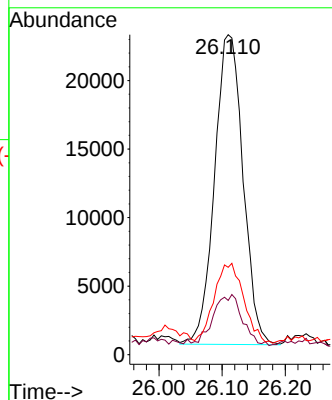
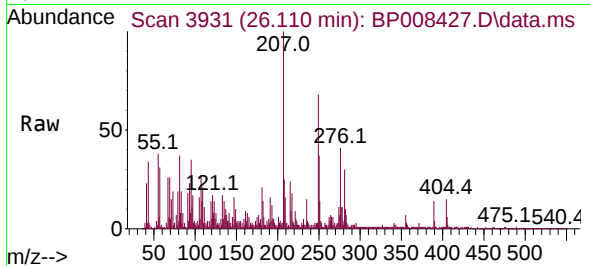




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.086 ng
RT: 26.110 min Scan# 3931
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

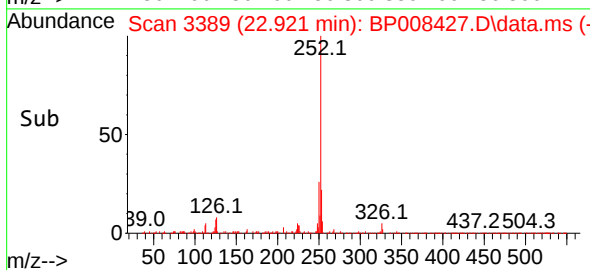
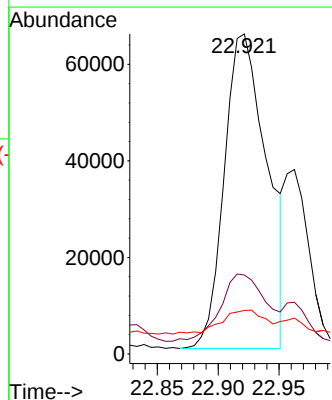
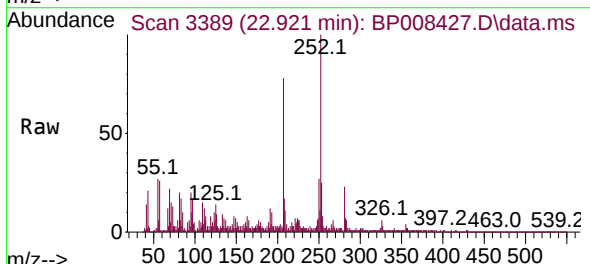
Instrument :
BNA_P
ClientSampleId :
UV-1WC

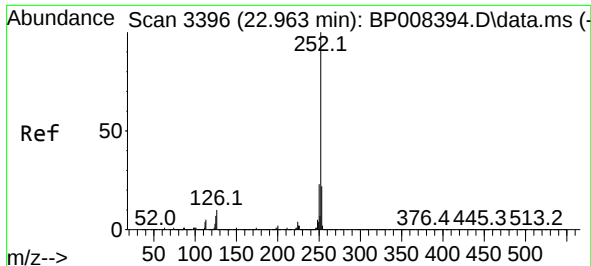
Tgt Ion:276 Resp: 70758
Ion Ratio Lower Upper
276 100
138 16.2 16.6 25.0#
277 26.8 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 6.128 ng
RT: 22.921 min Scan# 3389
Delta R.T. 0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:252 Resp: 158833
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 13.6 6.2 9.4#

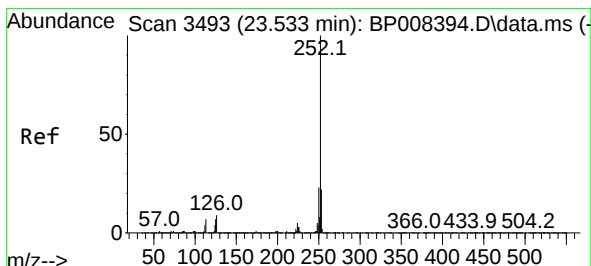
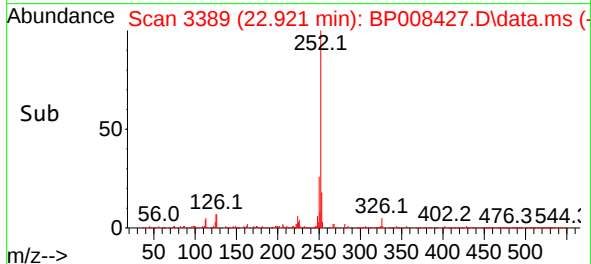
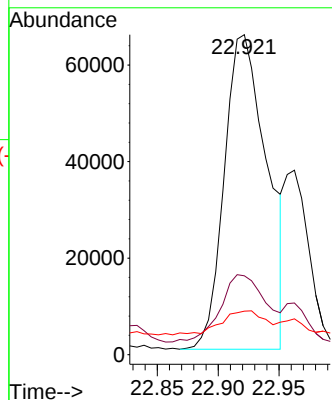
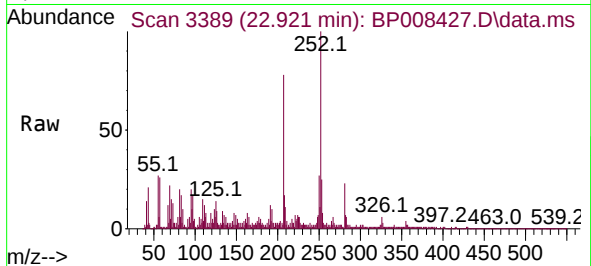




#89
Benzo(k)fluoranthene
Concen: 6.076 ng
RT: 22.921 min Scan# 3389
Delta R.T. -0.041 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

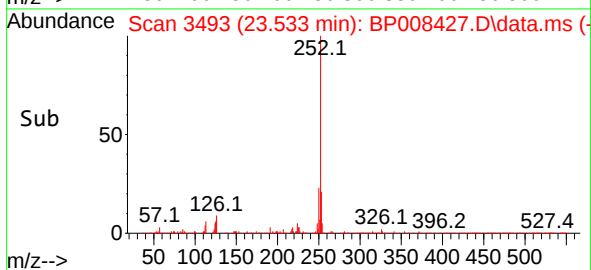
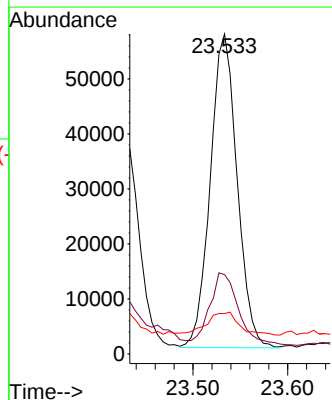
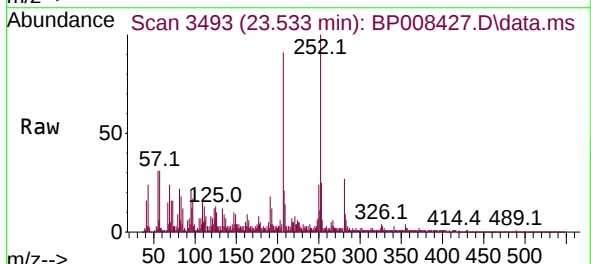
Instrument :
BNA_P
ClientSampleId :
UV-1WC

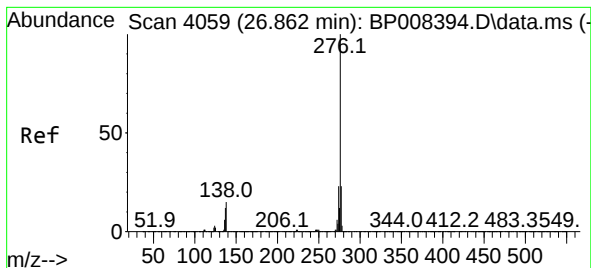
Tgt Ion:252 Resp: 158833
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 13.6 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 4.991 ng
RT: 23.533 min Scan# 3493
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:252 Resp: 112289
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 12.6 7.4 11.0#





#92

Benzo(g,h,i)perylene

Concen: 2.398 ng

RT: 26.868 min Scan# 40

Delta R.T. 0.006 min

Lab File: BP008427.D

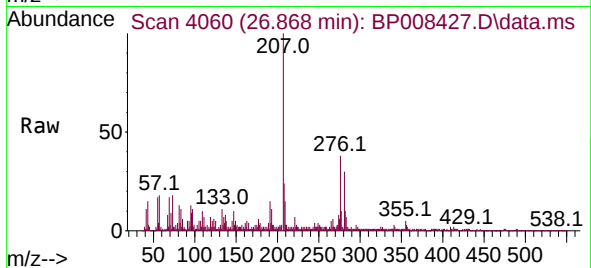
Acq: 15 Dec 2021 20:57

Instrument :

BNA_P

ClientSampleId :

UV-1WC



Tgt Ion:276 Resp: 67430

Ion Ratio Lower Upper

276 100

277 25.4 20.0 30.0

138 14.4 14.1 21.1

