

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051021\
 Data File : BP005479.D
 Acq On : 10 May 2021 21:07
 Operator : CG/JU
 Sample : M2310-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BS-SP2

Quant Time: May 11 04:23:16 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 07 12:37:06 2021
 Response via : Initial Calibration

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

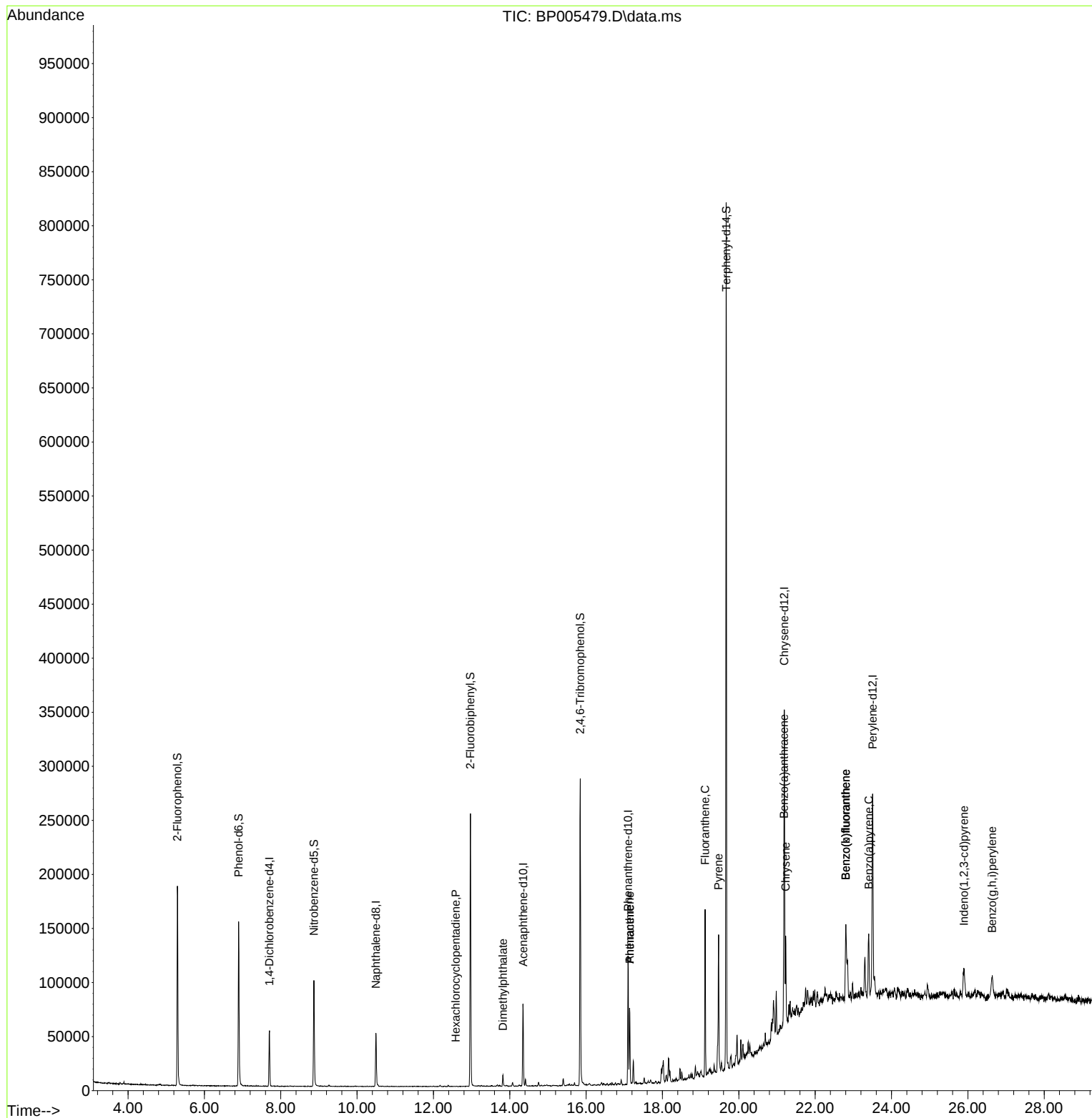
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	10997	20.00	ng	0.00
21) Naphthalene-d8	10.493	136	29396	20.00	ng	#-0.01
39) Acenaphthene-d10	14.351	164	23004	20.00	ng	0.00
64) Phenanthrene-d10	17.098	188	61034	20.00	ng	#-0.01
76) Chrysene-d12	21.192	240	115046	20.00	ng	#-0.01
86) Perylene-d12	23.504	264	142413	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	55694	97.19	ng	0.00
7) Phenol-d6	6.899	99	57537	80.52	ng	0.00
23) Nitrobenzene-d5	8.869	82	49877	66.78	ng	-0.01
42) 2,4,6-Tribromophenol	15.845	330	54493	83.48	ng	-0.01
45) 2-Fluorobiphenyl	12.969	172	109238	53.57	ng	-0.01
79) Terphenyl-d14	19.669	244	314570	46.44	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.164	88	31	Below Cal	#	1
9) Benzaldehyde	6.840	77	19	Below Cal	#	60
41) Hexachlorocyclopentadiene	12.587	237	6	7.88	ng	75
50) Dimethylphthalate	13.822	163	6069	3.06	ng	# 97
71) Phenanthrene	17.139	178	37787	10.90	ng	97
72) Anthracene	17.139	178	37787	10.98	ng	96
75) Fluoranthene	19.116	202	80849	16.95	ng	97
78) Pyrene	19.469	202	77174	11.85	ng	99
81) Benzo(a)anthracene	21.180	228	46168	6.19	ng	97
83) Chrysene	21.227	228	41828	5.79	ng	98
87) Indeno(1,2,3-cd)pyrene	25.898	276	30455	2.54	ng	# 94
88) Benzo(b)fluoranthene	22.804	252	61098	6.44	ng	# 96
89) Benzo(k)fluoranthene	22.804	252	61098	6.58	ng	# 94
90) Benzo(a)pyrene	23.404	252	45195	5.20	ng	99
92) Benzo(g,h,i)perylene	26.633	276	30472	3.12	ng	# 92

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

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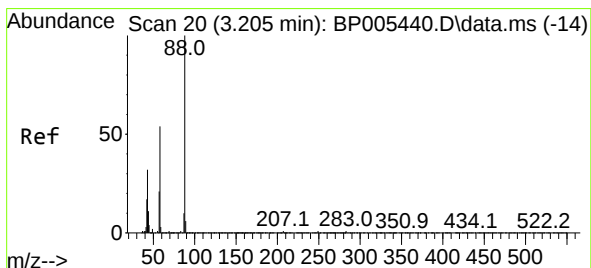
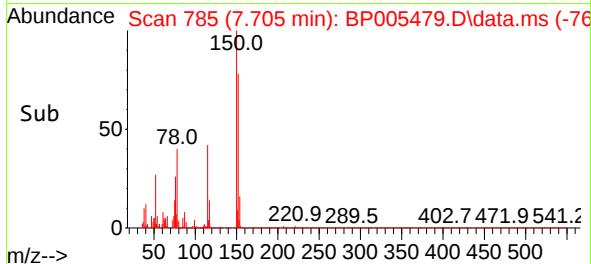
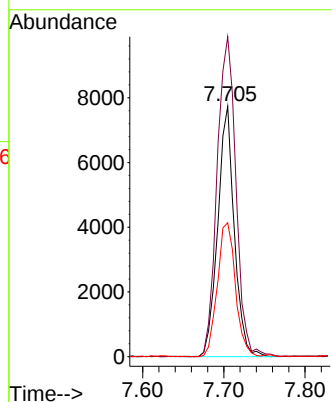
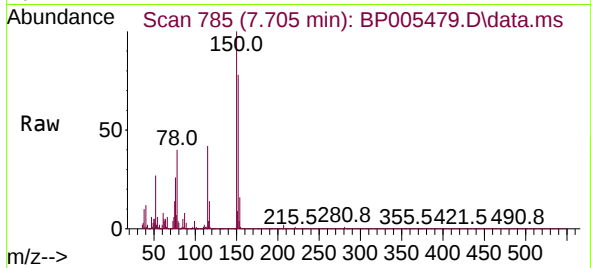




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.705 min Scan# 785
 Delta R.T. -0.006 min
 Lab File: BP005479.D
 Acq: 10 May 2021 21:07

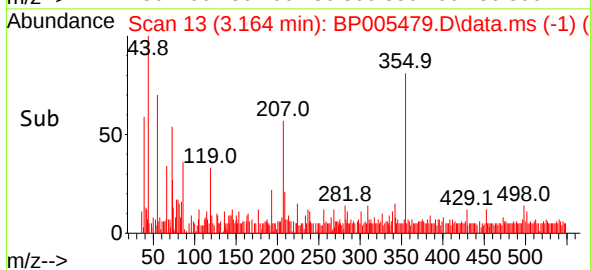
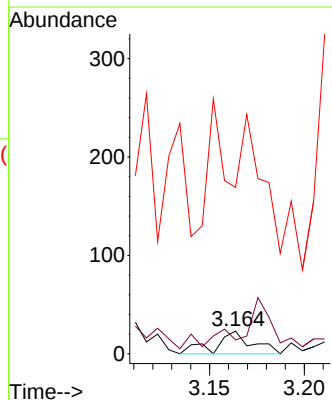
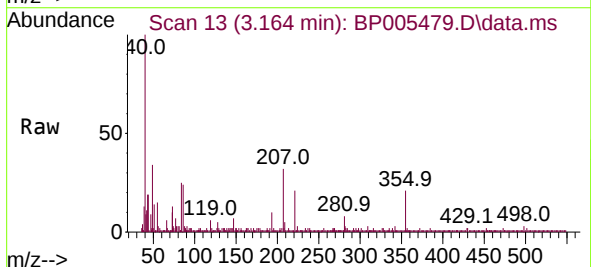
Instrument :
 BNA_P
 ClientSampleId :
 BS-SP2

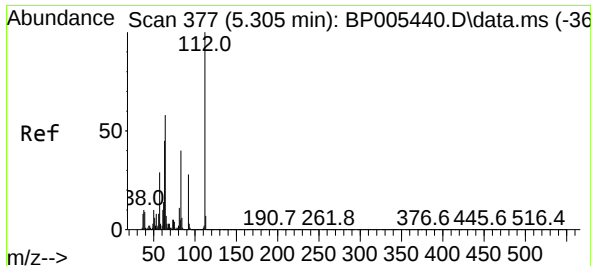
Tgt Ion:152 Resp: 10997
 Ion Ratio Lower Upper
 152 100
 150 127.8 119.8 179.8
 115 53.5 49.0 73.4



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.164 min Scan# 13
 Delta R.T. -0.029 min
 Lab File: BP005479.D
 Acq: 10 May 2021 21:07

Tgt Ion: 88 Resp: 31
 Ion Ratio Lower Upper
 88 100
 58 0.0 42.5 63.7#
 43 293.5 19.8 29.8#

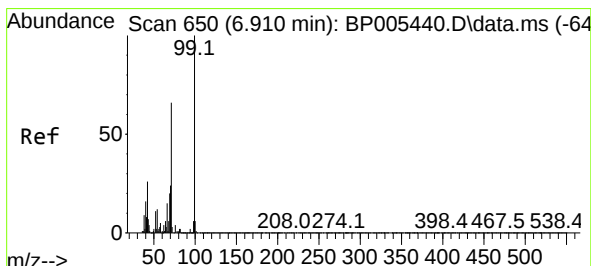
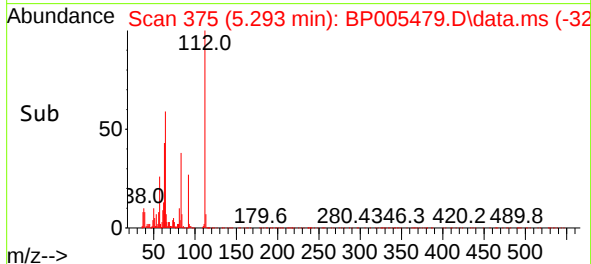
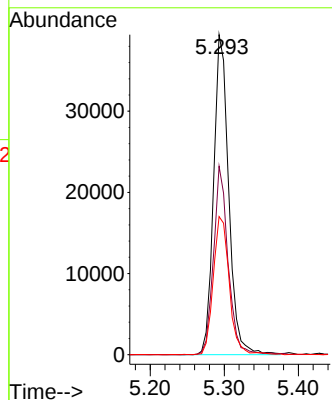
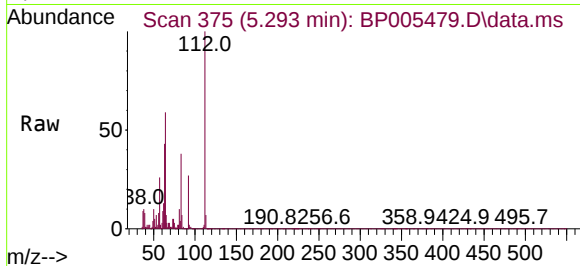




#5
2-Fluorophenol
Concen: 97.19 ng
RT: 5.293 min Scan# 375
Delta R.T. -0.006 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

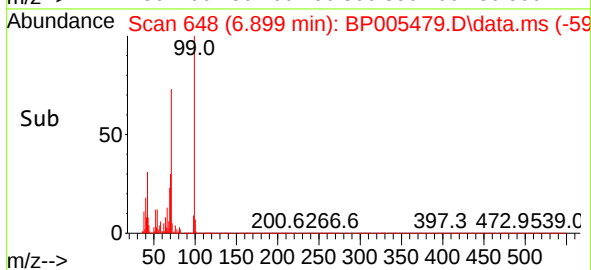
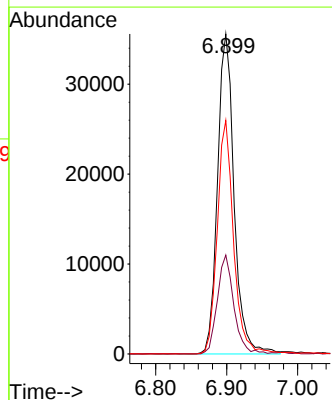
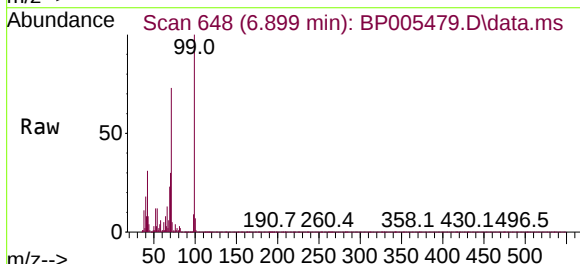
Instrument :
BNA_P
ClientSampleId :
BS-SP2

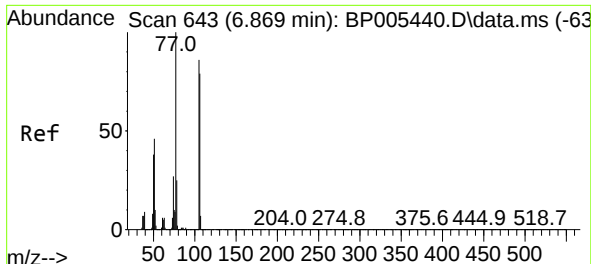
Tgt Ion:112 Resp: 55694
Ion Ratio Lower Upper
112 100
64 58.9 33.6 50.4#
63 43.2 18.6 27.8#



#7
Phenol-d6
Concen: 80.52 ng
RT: 6.899 min Scan# 648
Delta R.T. -0.000 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

Tgt Ion: 99 Resp: 57537
Ion Ratio Lower Upper
99 100
42 30.9 12.9 19.3#
71 72.9 26.7 40.1#

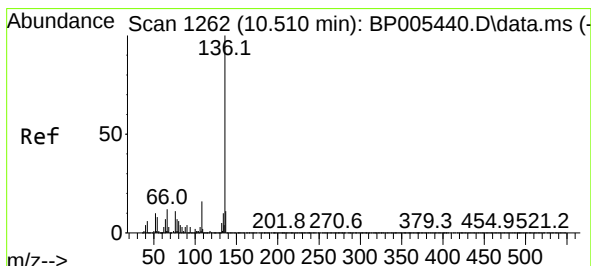
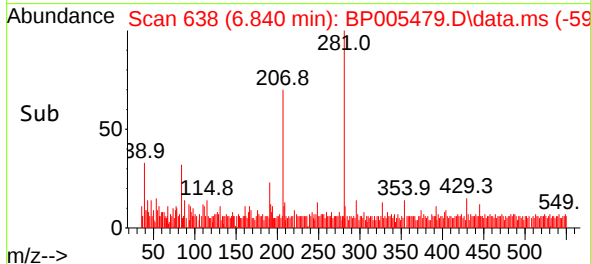
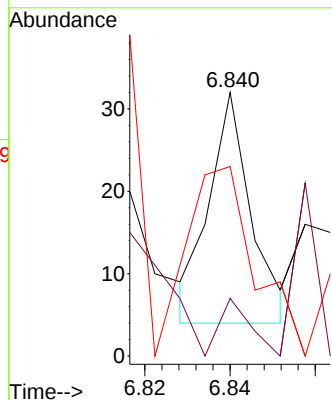
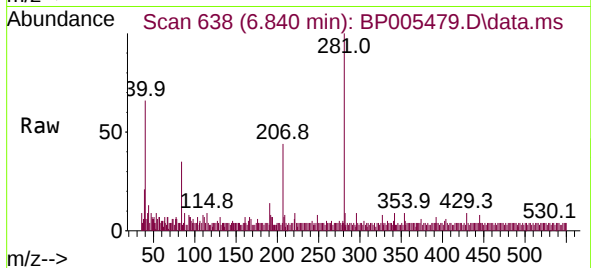




#9
Benzaldehyde
Concen: Below Cal
RT: 6.840 min Scan# 638
Delta R.T. -0.018 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

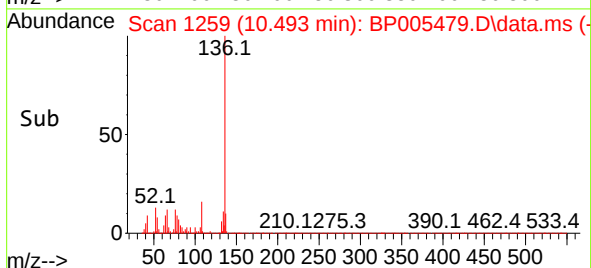
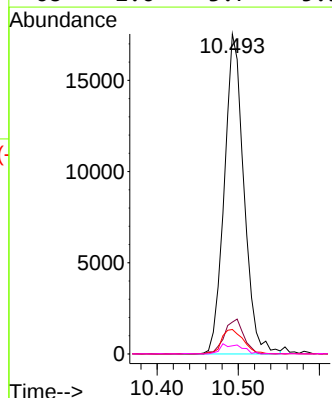
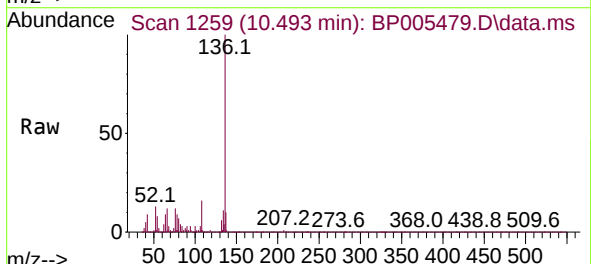
Instrument :
BNA_P
ClientSampleId :
BS-SP2

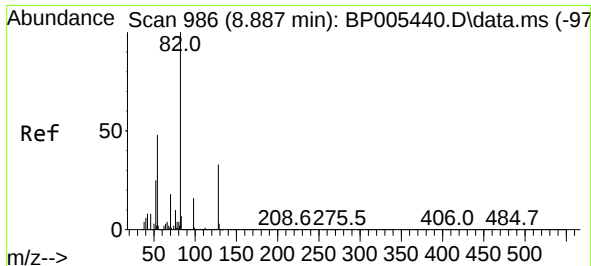
Tgt Ion: 77 Resp: 19
Ion Ratio Lower Upper
77 100
105 56.3 89.4 129.4#
106 71.9 79.9 119.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.493 min Scan# 1259
Delta R.T. -0.012 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

Tgt Ion:136 Resp: 29396
Ion Ratio Lower Upper
136 100
137 9.9 8.9 13.3
54 7.6 5.0 7.4#
68 2.6 3.7 5.5#

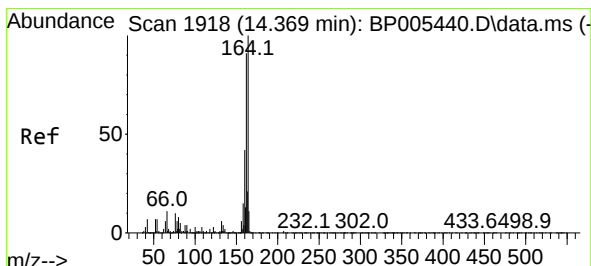
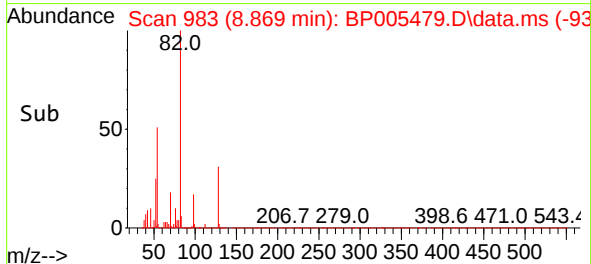
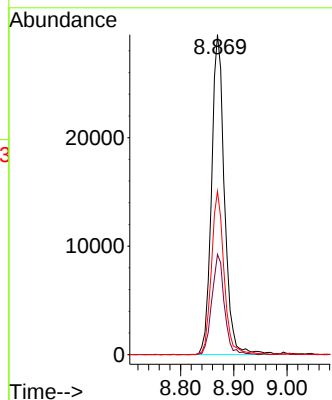
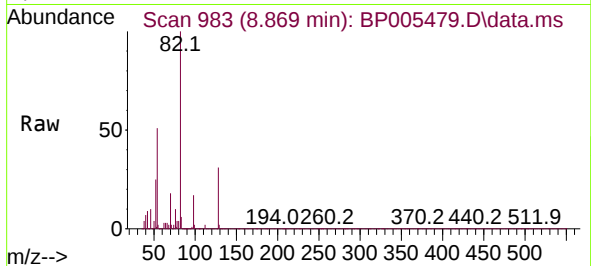




#23
Nitrobenzene-d5
Concen: 66.78 ng
RT: 8.869 min Scan# 983
Delta R.T. -0.012 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

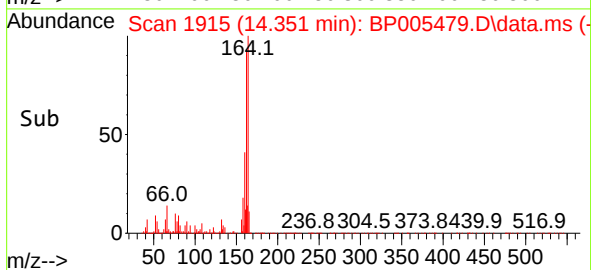
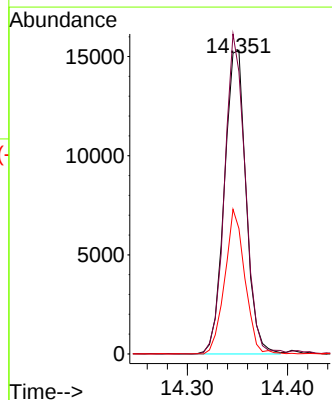
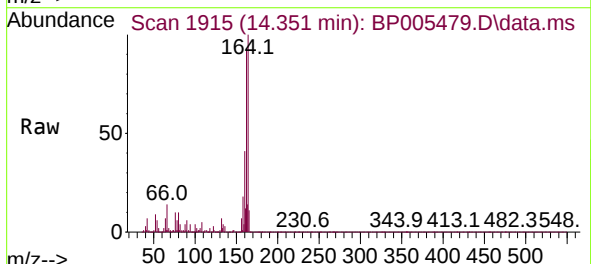
Instrument :
BNA_P
ClientSampleId :
BS-SP2

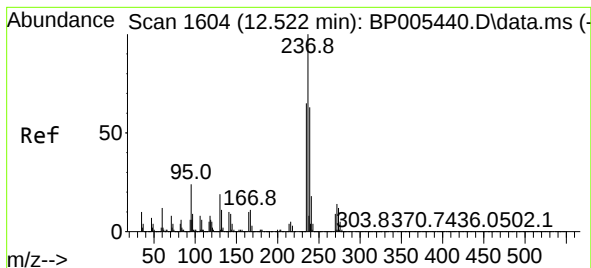
Tgt Ion: 82 Resp: 49877
Ion Ratio Lower Upper
82 100
128 31.3 30.5 45.7
54 51.1 33.9 50.9#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.006 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

Tgt Ion:164 Resp: 23004
Ion Ratio Lower Upper
164 100
162 92.9 73.5 110.3
160 41.3 40.6 61.0



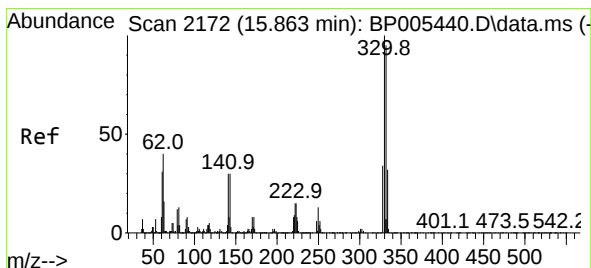
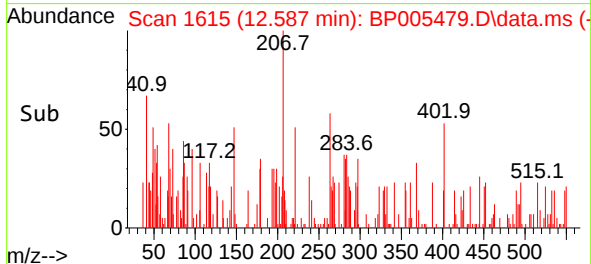
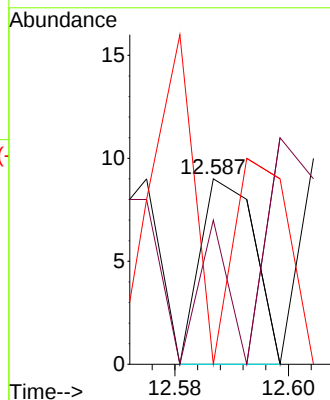
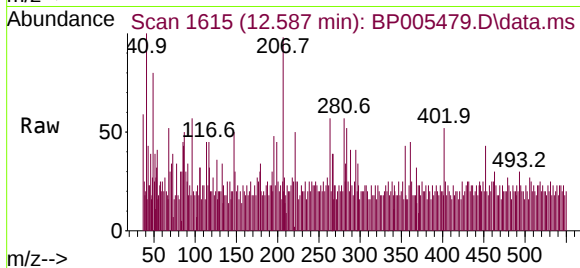


#41

Hexachlorocyclopentadiene
Concen: 7.88 ng
RT: 12.587 min Scan# 1615
Delta R.T. 0.076 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

Instrument :
BNA_P
ClientSampleId :
BS-SP2

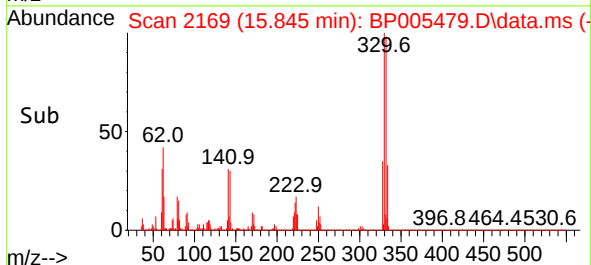
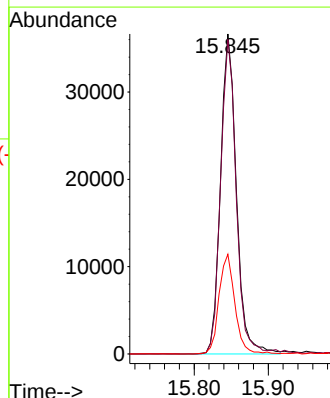
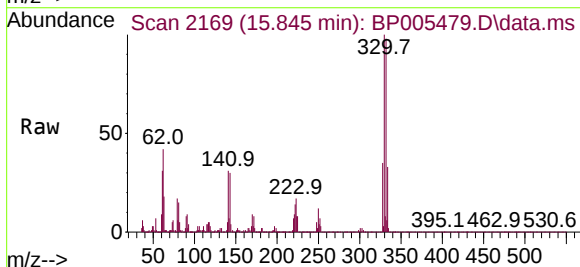
Tgt Ion:237	Resp: 6	
Ion Ratio	Lower	Upper
237	100	
235	77.8	40.9 80.9
272	0.0	0.0 34.6

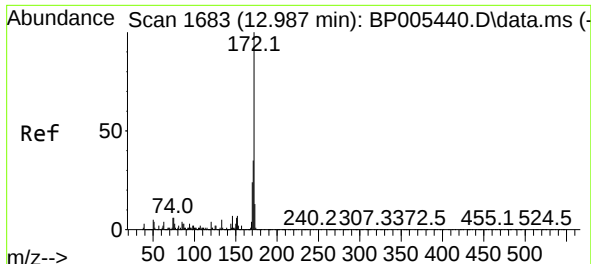


#42

2,4,6-Tribromophenol
Concen: 83.48 ng
RT: 15.845 min Scan# 2169
Delta R.T. -0.012 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

Tgt Ion:330	Resp: 54493		
Ion Ratio	Lower	Upper	
330 100			
332 97.6	76.3	114.5	
141 31.4	22.8	34.2	

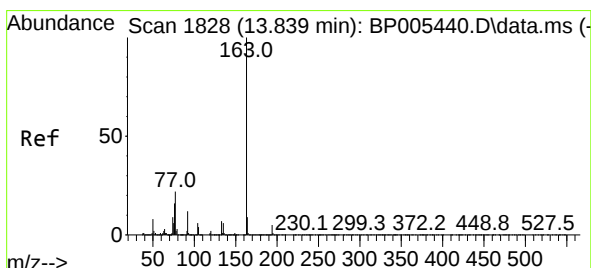
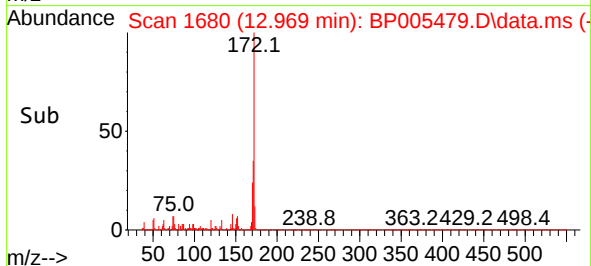
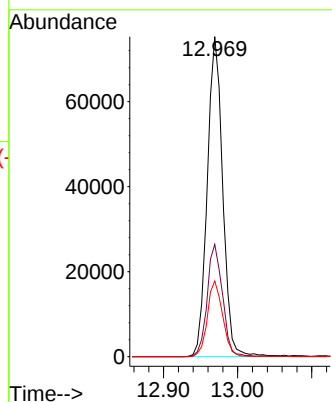
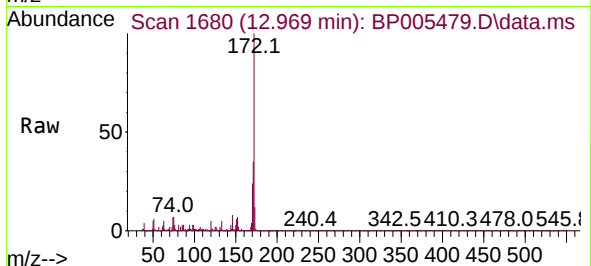




#45
2-Fluorobiphenyl
Concen: 53.57 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

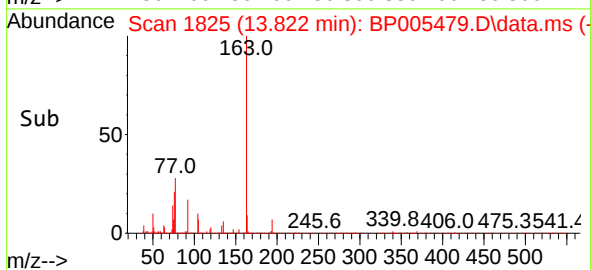
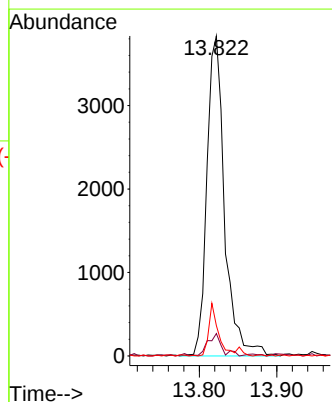
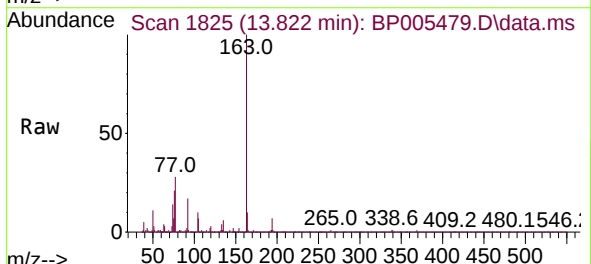
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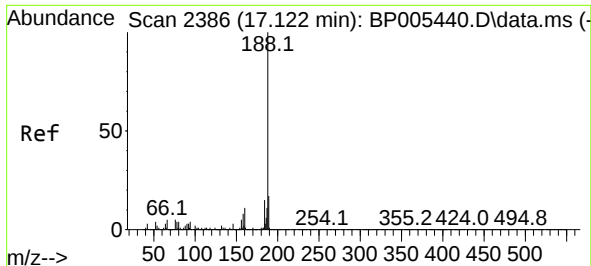
Tgt Ion:172 Resp: 109238
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.7 19.6 29.4



#50
Dimethylphthalate
Concen: 3.06 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

Tgt Ion:163 Resp: 6069
Ion Ratio Lower Upper
163 100
194 7.0 3.9 5.9#
164 9.5 8.1 12.1

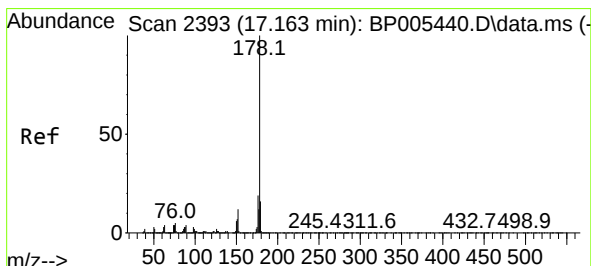
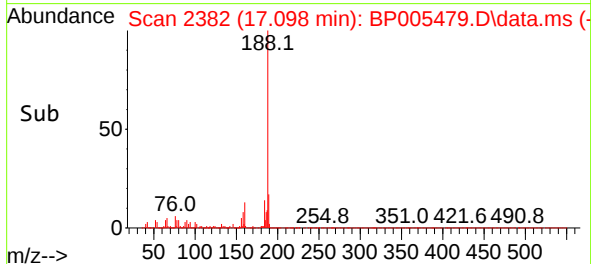
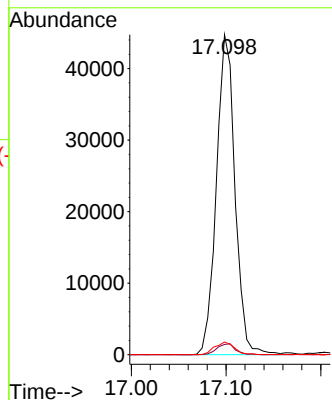
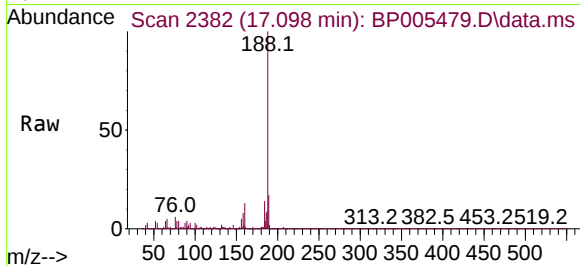




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.012 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

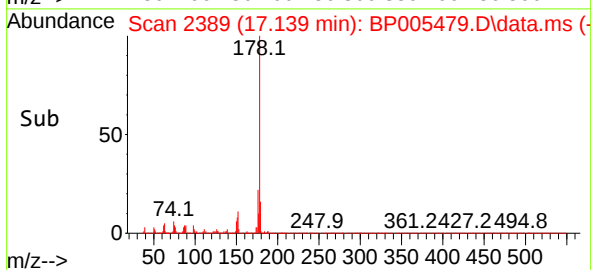
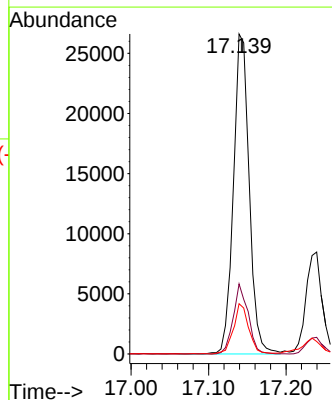
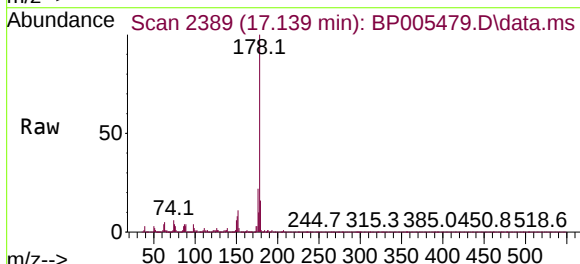
Instrument :
BNA_P
ClientSampleId :
BS-SP2

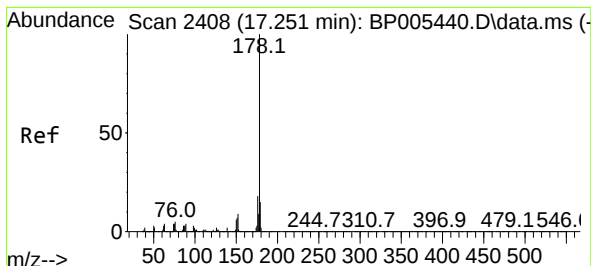
Tgt Ion:188 Resp: 61034
Ion Ratio Lower Upper
188 100
94 3.2 5.0 7.6#
80 4.0 5.9 8.9#



#71
Phenanthrene
Concen: 10.90 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.012 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

Tgt Ion:178 Resp: 37787
Ion Ratio Lower Upper
178 100
176 21.9 15.4 23.2
179 15.7 12.3 18.5

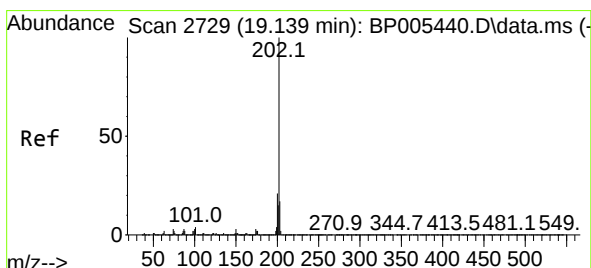
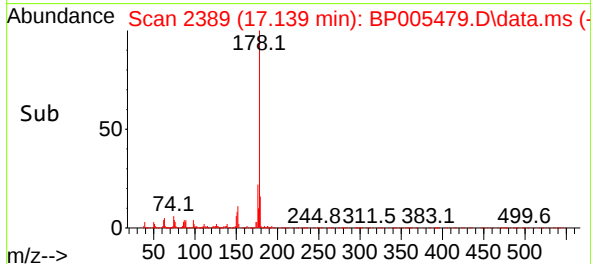
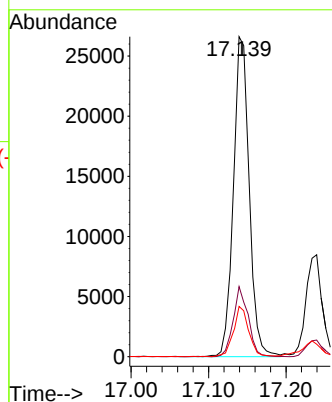
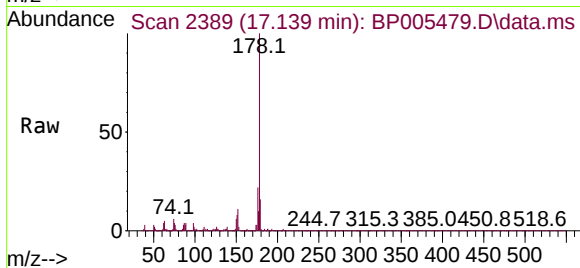




#72
 Anthracene
 Concen: 10.98 ng
 RT: 17.139 min Scan# 2389
 Delta R.T. -0.106 min
 Lab File: BP005479.D
 Acq: 10 May 2021 21:07

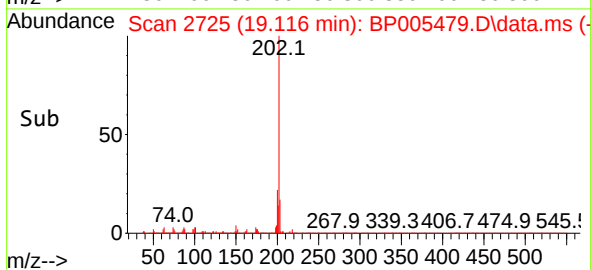
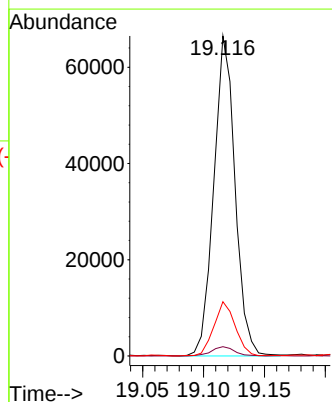
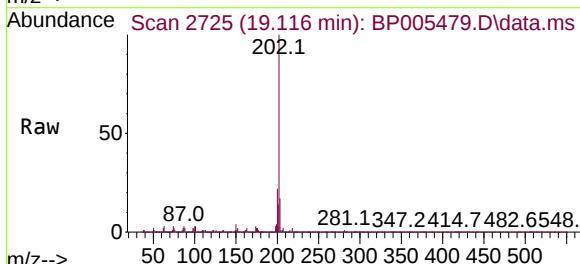
Instrument :
 BNA_P
 ClientSampleId :
 BS-SP2

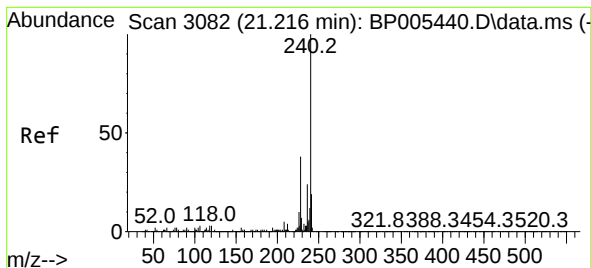
Tgt Ion:	178	Resp:	37787
Ion Ratio	Lower	Upper	
178	100		
176	21.9	15.2	22.8
179	15.7	12.6	19.0



#75
 Fluoranthene
 Concen: 16.95 ng
 RT: 19.116 min Scan# 2725
 Delta R.T. -0.012 min
 Lab File: BP005479.D
 Acq: 10 May 2021 21:07

Tgt Ion:	202	Resp:	80849
Ion Ratio	Lower	Upper	
202	100		
101	2.9	0.0	26.1
203	16.9	0.0	37.2





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.192 min Scan# 3078

Delta R.T. -0.012 min

Lab File: BP005479.D

Acq: 10 May 2021 21:07

Instrument :

BNA_P

ClientSampleId :

BS-SP2

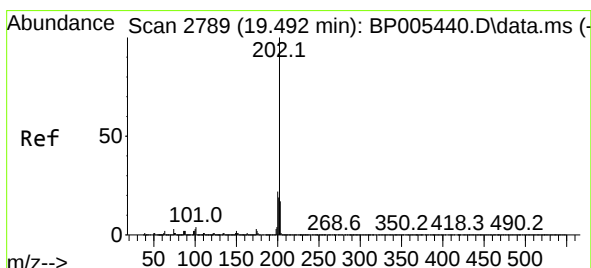
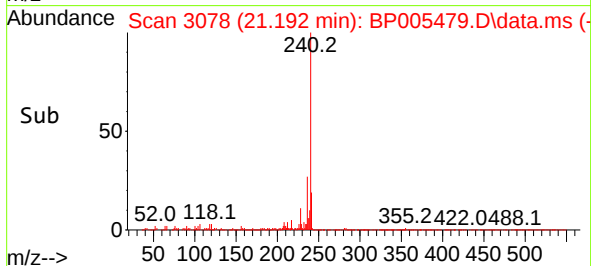
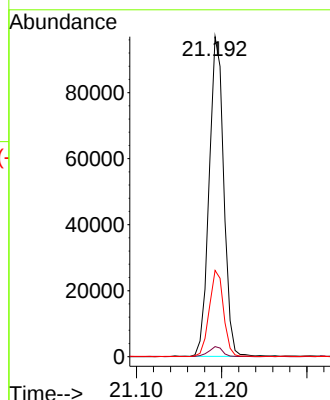
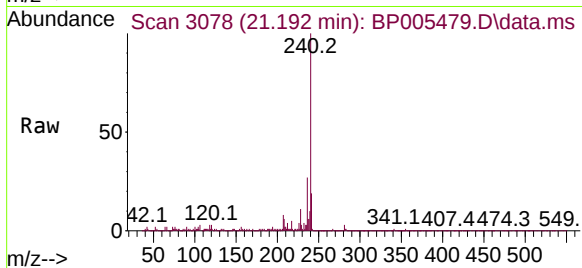
Tgt Ion:240 Resp: 115046

Ion Ratio Lower Upper

240 100

120 3.1 4.2 6.2#

236 26.9 20.2 30.2



#78

Pyrene

Concen: 11.85 ng

RT: 19.469 min Scan# 2785

Delta R.T. -0.012 min

Lab File: BP005479.D

Acq: 10 May 2021 21:07

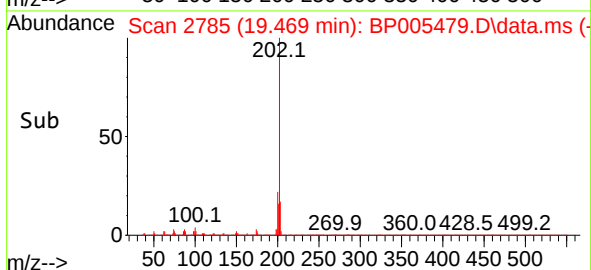
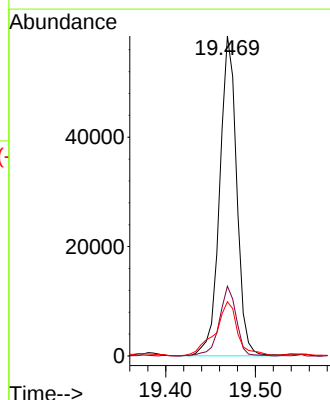
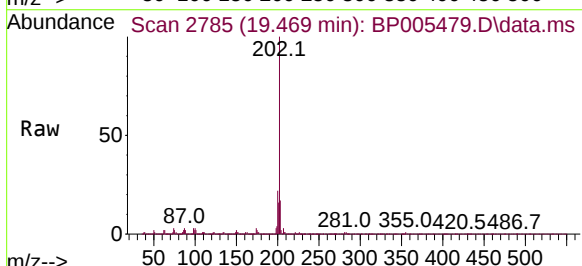
Tgt Ion:202 Resp: 77174

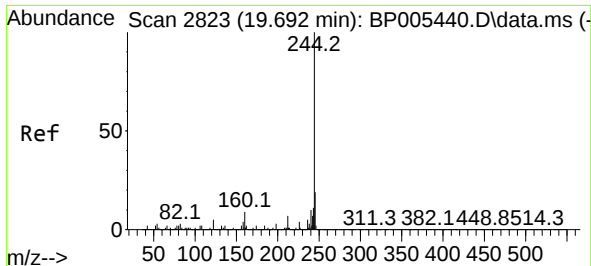
Ion Ratio Lower Upper

202 100

200 21.8 16.9 25.3

203 17.0 13.8 20.6

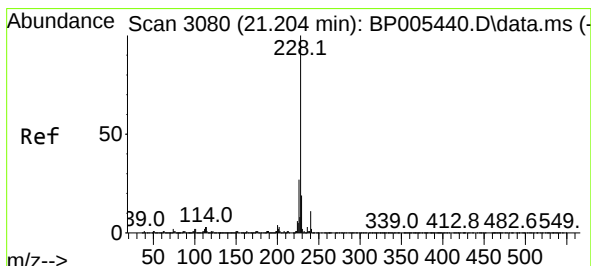
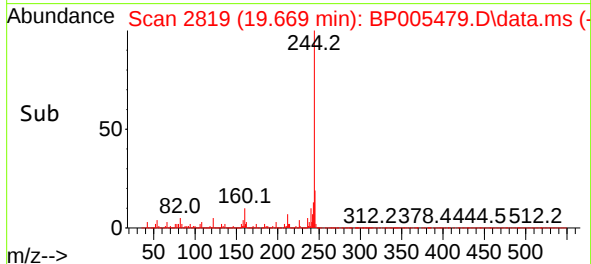
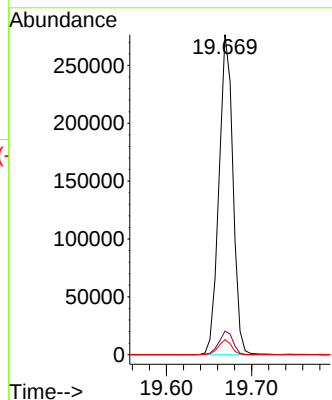
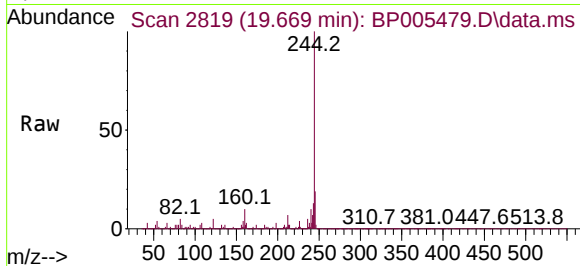




#79
 Terphenyl-d14
 Concen: 46.44 ng
 RT: 19.669 min Scan# 2819
 Delta R.T. -0.012 min
 Lab File: BP005479.D
 Acq: 10 May 2021 21:07

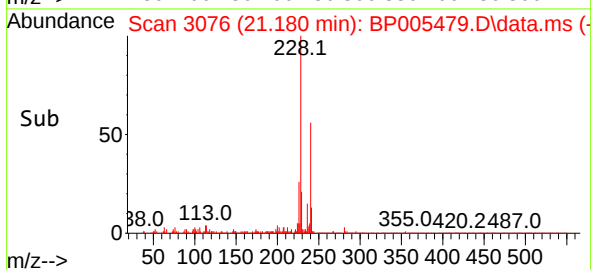
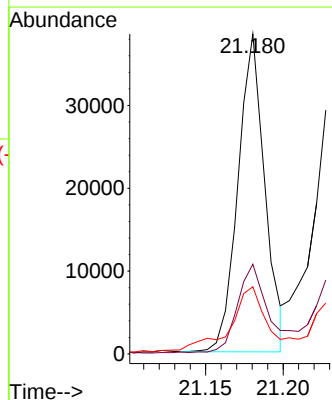
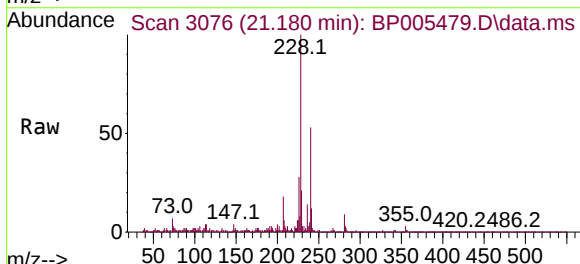
Instrument :
 BNA_P
 ClientSampleId :
 BS-SP2

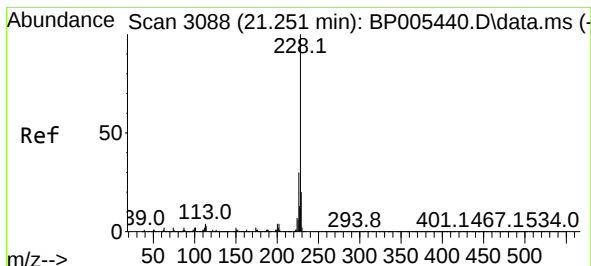
Tgt Ion:244 Resp: 314570
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 4.7 5.2 7.8#



#81
 Benzo(a)anthracene
 Concen: 6.19 ng
 RT: 21.180 min Scan# 3076
 Delta R.T. -0.012 min
 Lab File: BP005479.D
 Acq: 10 May 2021 21:07

Tgt Ion:228 Resp: 46168
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.2 31.8
 229 21.0 15.6 23.4





#83

Chrysene

Concen: 5.79 ng

RT: 21.227 min Scan# 3084

Delta R.T. -0.018 min

Lab File: BP005479.D

Acq: 10 May 2021 21:07

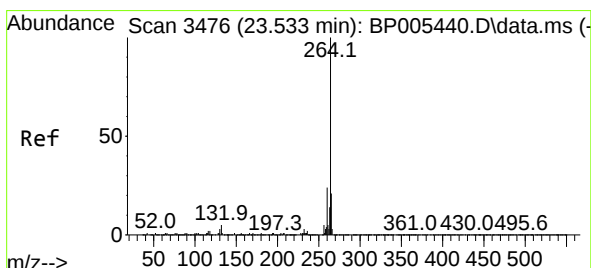
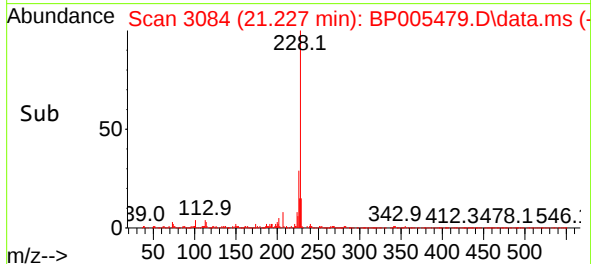
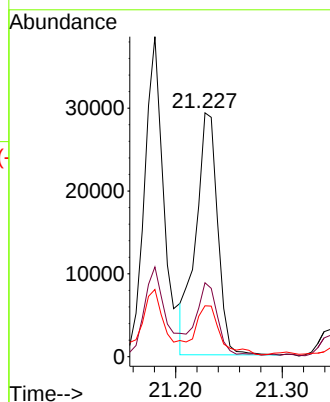
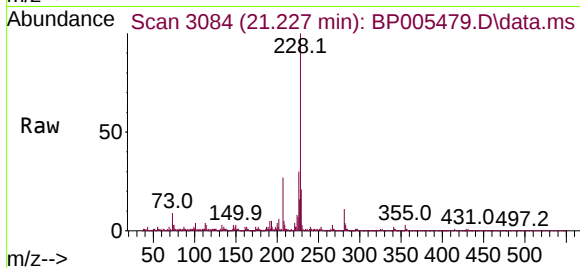
Instrument :

BNA_P

ClientSampleId :

BS-SP2

Tgt Ion:228	Resp:	41828
Ion Ratio	Lower	Upper
228	100	
226	30.3	24.8 37.2
229	20.9	15.4 23.0



#86

Perylene-d12

Concen: 20.00 ng

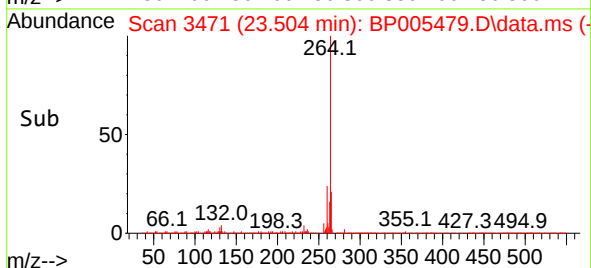
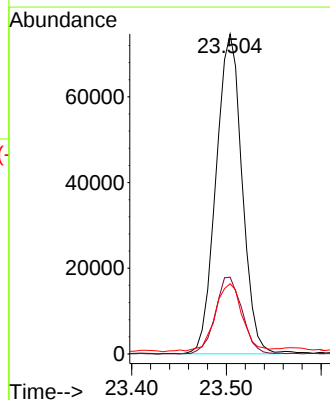
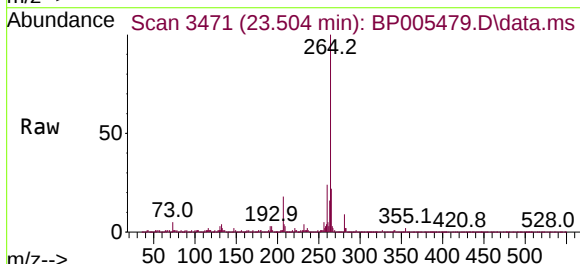
RT: 23.504 min Scan# 3471

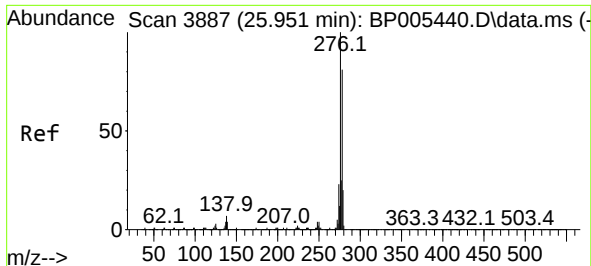
Delta R.T. -0.018 min

Lab File: BP005479.D

Acq: 10 May 2021 21:07

Tgt Ion:264	Resp:	142413
Ion Ratio	Lower	Upper
264	100	
260	24.0	20.6 30.8
265	21.9	19.0 28.6

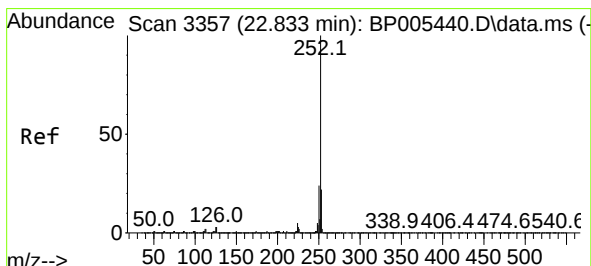
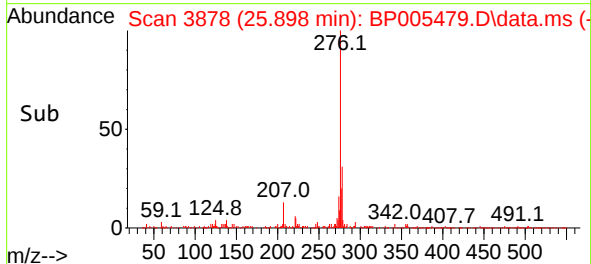
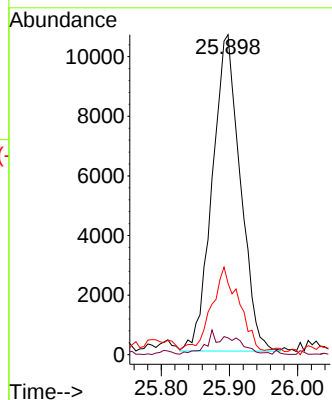
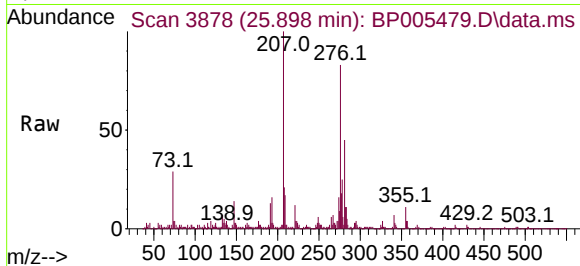




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.54 ng
RT: 25.898 min Scan# 3878
Delta R.T. -0.035 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

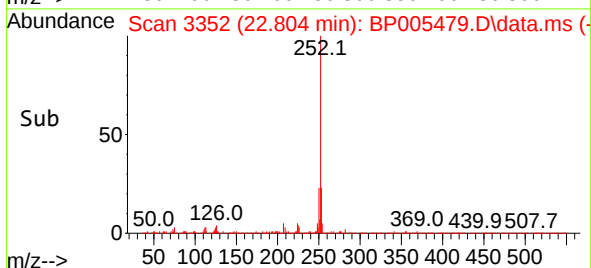
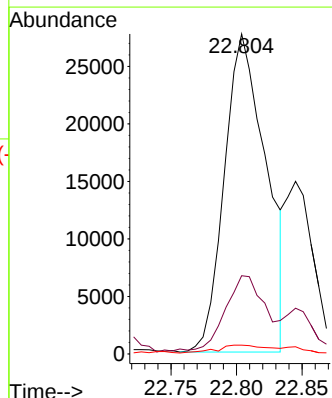
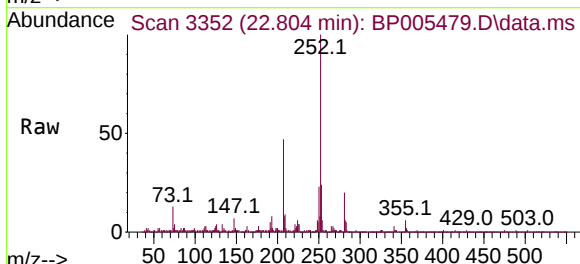
Instrument :
BNA_P
ClientSampleId :
BS-SP2

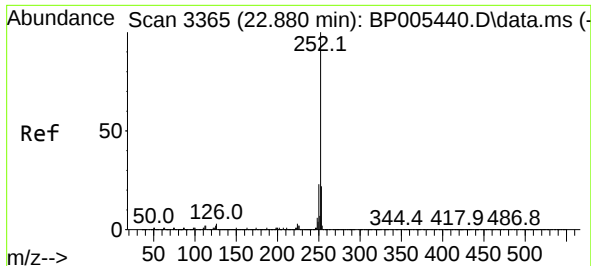
Tgt Ion:276 Resp: 30455
Ion Ratio Lower Upper
276 100
138 3.6 8.4 12.6#
277 25.5 20.6 31.0



#88
Benzo(b)fluoranthene
Concen: 6.44 ng
RT: 22.804 min Scan# 3352
Delta R.T. -0.012 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

Tgt Ion:252 Resp: 61098
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 2.7 3.4 5.0#

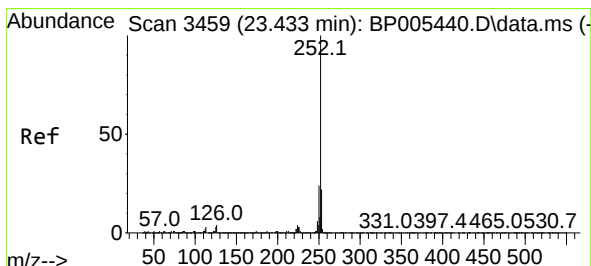
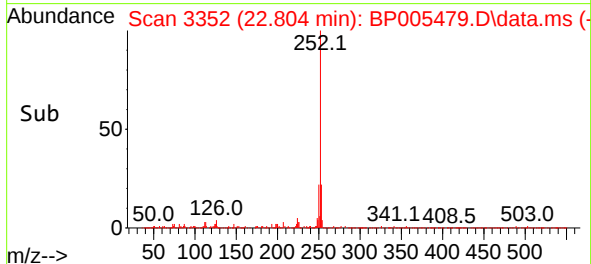
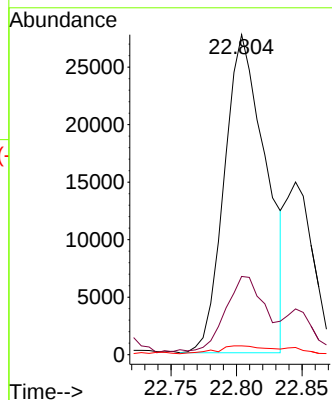
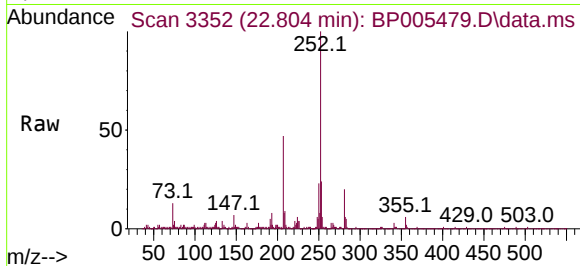




#89
Benzo(k)fluoranthene
Concen: 6.58 ng
RT: 22.804 min Scan# 3352
Delta R.T. -0.059 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

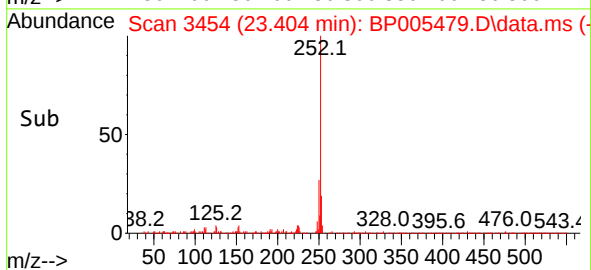
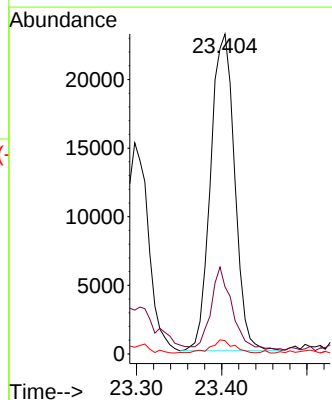
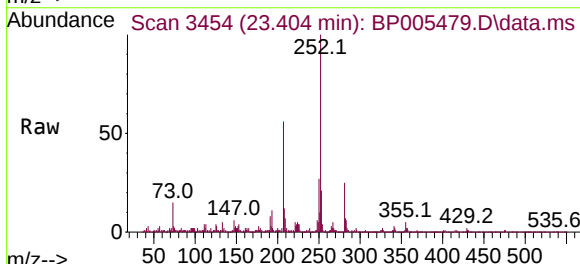
Instrument :
BNA_P
ClientSampled :
BS-SP2

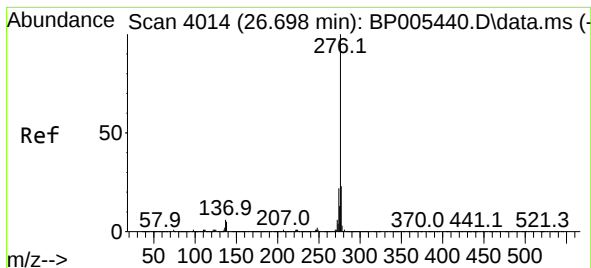
Tgt Ion:252 Resp: 61098
Ion Ratio Lower Upper
252 100
253 24.5 17.2 25.8
125 2.7 3.8 5.6#



#90
Benzo(a)pyrene
Concen: 5.20 ng
RT: 23.404 min Scan# 3454
Delta R.T. -0.018 min
Lab File: BP005479.D
Acq: 10 May 2021 21:07

Tgt Ion:252 Resp: 45195
Ion Ratio Lower Upper
252 100
253 20.9 17.1 25.7
125 4.1 3.8 5.6





#92

Benzo(g,h,i)perylene

Concen: 3.12 ng

RT: 26.633 min Scan# 4003

Delta R.T. -0.035 min

Lab File: BP005479.D

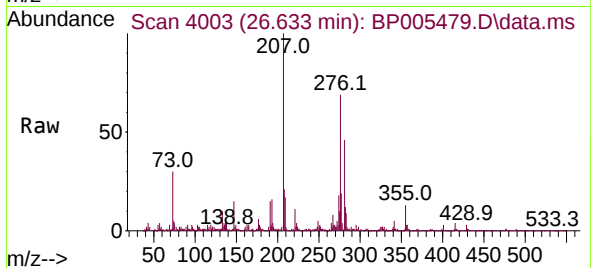
Acq: 10 May 2021 21:07

Instrument :

BNA_P

ClientSampleId :

BS-SP2



Tgt Ion:276 Resp: 30472

Ion Ratio Lower Upper

276 100

277 28.2 19.8 29.8

138 5.5 7.7 11.5#

