

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051321\
 Data File : BP005535.D
 Acq On : 13 May 2021 23:57
 Operator : CG/JU
 Sample : M2375-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-051221

Quant Time: May 14 02:15:38 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 11 11:20:59 2021
 Response via : Initial Calibration

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

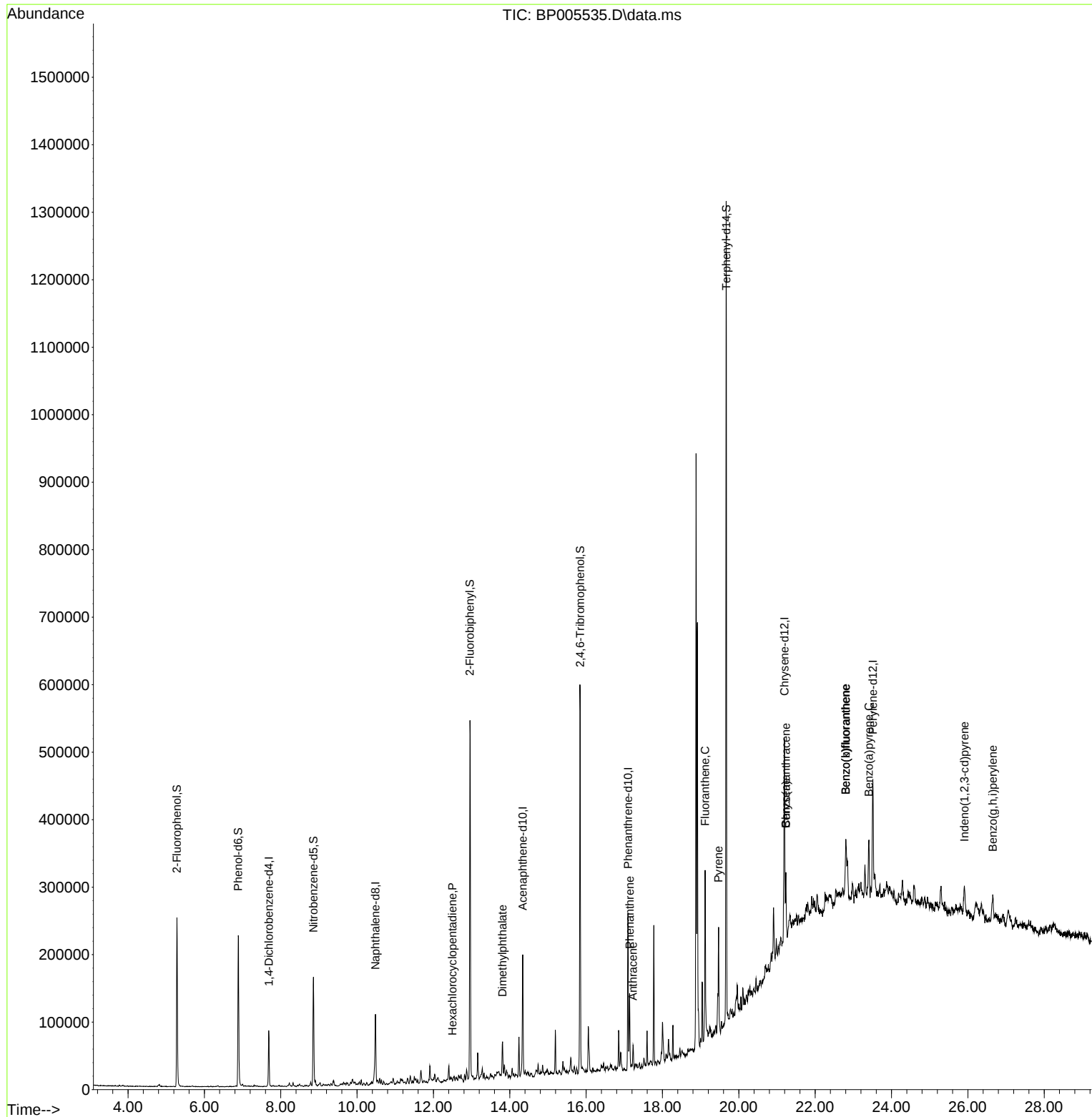
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	17347	20.00	ng	-0.01
21) Naphthalene-d8	10.481	136	62248	20.00	ng	#-0.01
39) Acenaphthene-d10	14.340	164	51727	20.00	ng	0.00
64) Phenanthrene-d10	17.098	188	122199	20.00	ng	# 0.00
76) Chrysene-d12	21.198	240	121419	20.00	ng	# 0.00
86) Perylene-d12	23.510	264	131362	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	78705	87.07	ng	0.00
7) Phenol-d6	6.887	99	94329	83.69	ng	0.00
23) Nitrobenzene-d5	8.857	82	82335	52.06	ng	0.00
42) 2,4,6-Tribromophenol	15.845	330	107438	73.19	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	229978	50.15	ng	-0.01
79) Terphenyl-d14	19.669	244	473793	66.27	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.199	88	28	Below Cal	#	1
9) Benzaldehyde	6.828	77	42	Below Cal	#	45
41) Hexachlorocyclopentadiene	12.493	237	13	7.88	ng	89
50) Dimethylphthalate	13.810	163	21271	4.76	ng	98
71) Phenanthrene	17.139	178	57246	8.24	ng	98
72) Anthracene	17.228	178	18105	2.63	ng	93
75) Fluoranthene	19.116	202	107252	11.23	ng	96
78) Pyrene	19.469	202	84297	12.26	ng	99
81) Benzo(a)anthracene	21.233	228	45804	5.82	ng	92
83) Chrysene	21.233	228	45804	6.01	ng	97
87) Indeno(1,2,3-cd)pyrene	25.910	276	45456	4.11	ng	# 95
88) Benzo(b)fluoranthene	22.804	252	74949	8.56	ng	99
89) Benzo(k)fluoranthene	22.804	252	74949	8.76	ng	97
90) Benzo(a)pyrene	23.404	252	54528	6.80	ng	# 91
92) Benzo(g,h,i)perylene	26.657	276	44770	4.96	ng	# 97

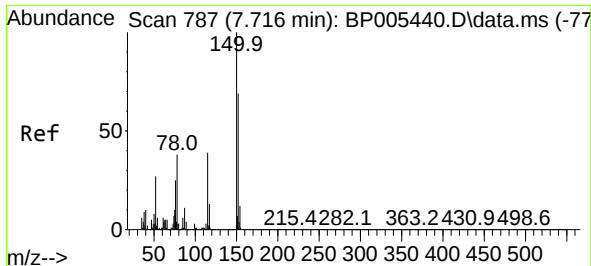
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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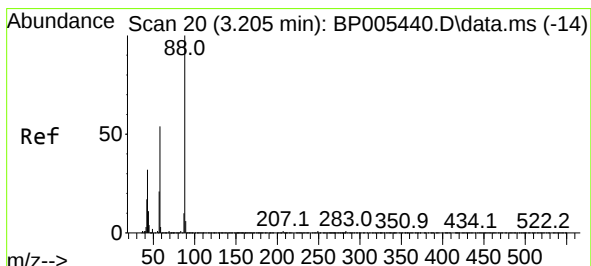
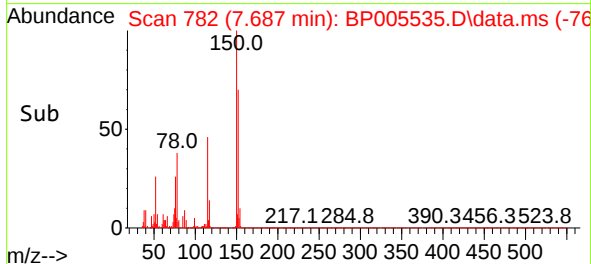
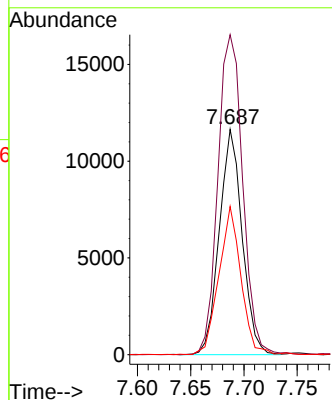
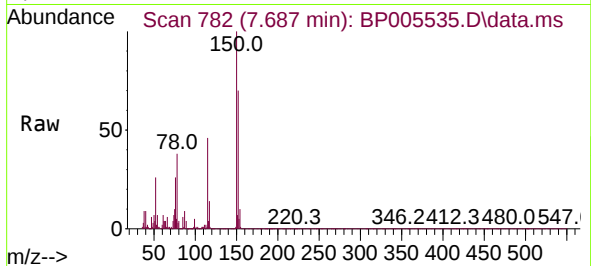




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.687 min Scan# 782
Delta R.T. -0.012 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

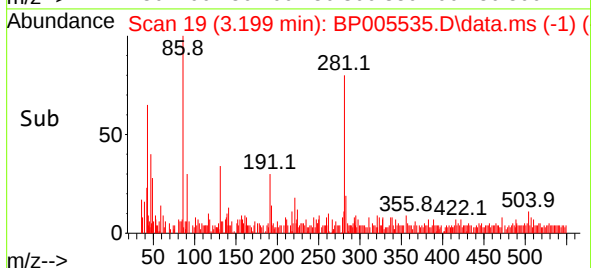
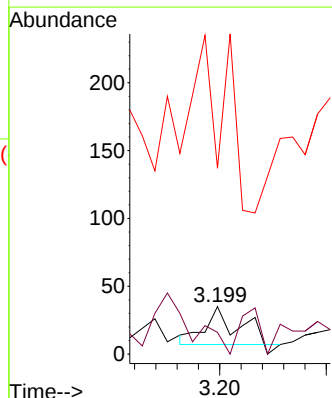
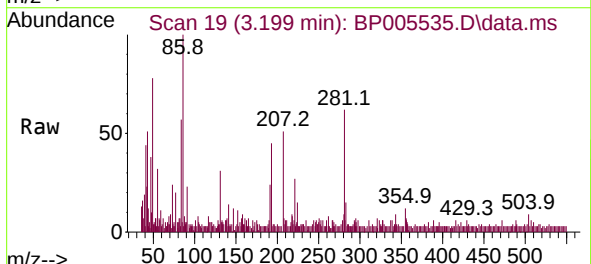
Instrument :
BNA_P
ClientSampleId :
SU-03-051221

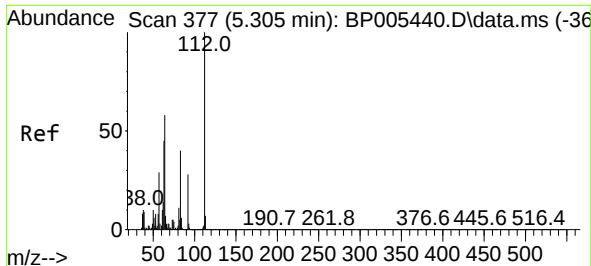
Tgt Ion:152 Resp: 17347
Ion Ratio Lower Upper
152 100
150 142.0 119.8 179.8
115 65.8 49.0 73.4



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.199 min Scan# 19
Delta R.T. 0.018 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
58 78.6 42.5 63.7#
43 764.3 19.8 29.8#

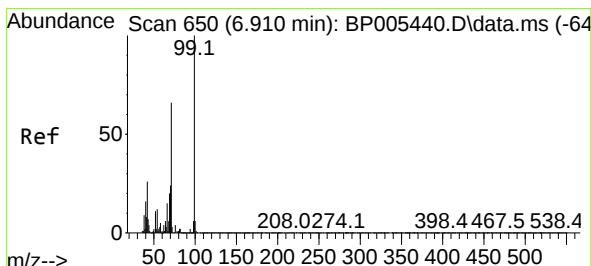
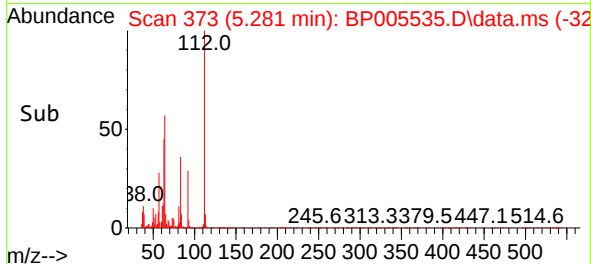
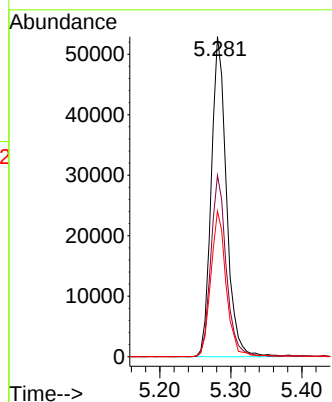
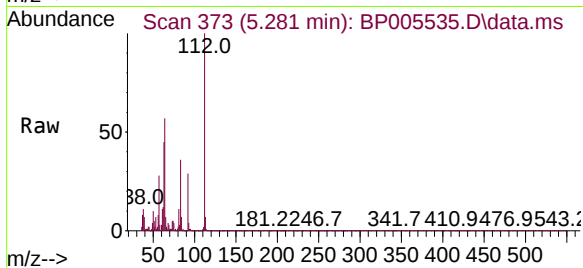




#5
2-Fluorophenol
Concen: 87.07 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

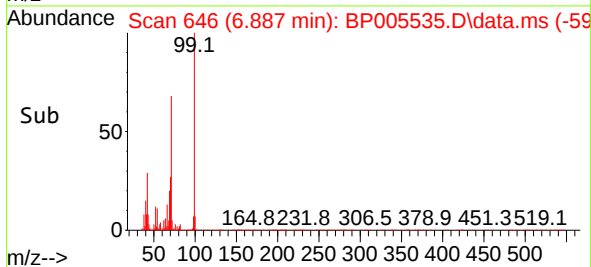
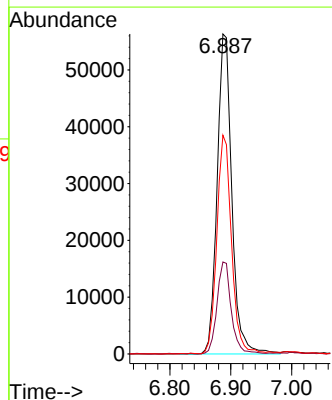
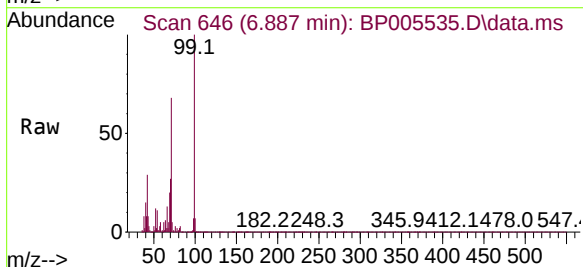
Instrument :
BNA_P
ClientSampleId :
SU-03-051221

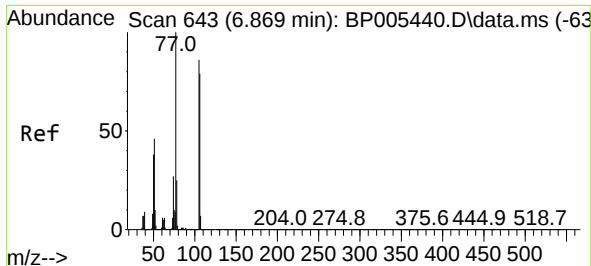
Tgt Ion:112 Resp: 78705
Ion Ratio Lower Upper
112 100
64 56.7 33.6 50.4#
63 45.5 18.6 27.8#



#7
Phenol-d6
Concen: 83.69 ng
RT: 6.887 min Scan# 646
Delta R.T. -0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion: 99 Resp: 94329
Ion Ratio Lower Upper
99 100
42 28.8 12.9 19.3#
71 68.3 26.7 40.1#

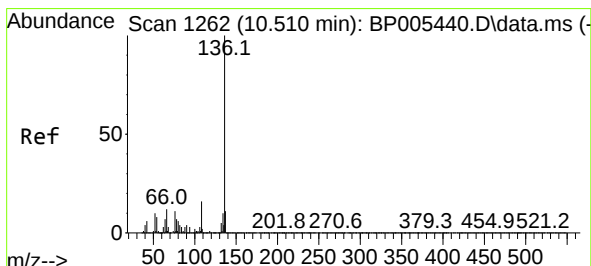
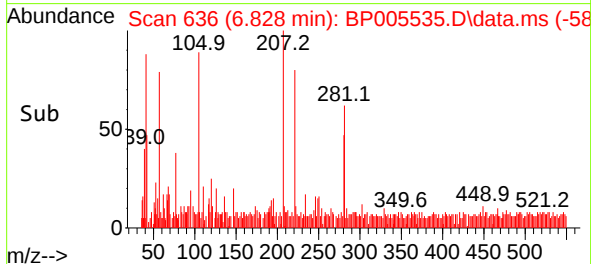
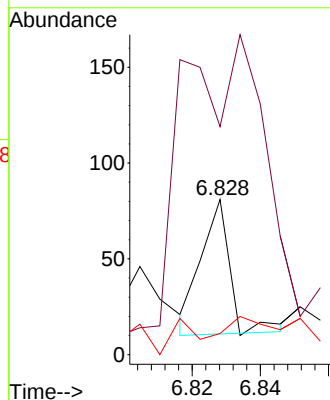
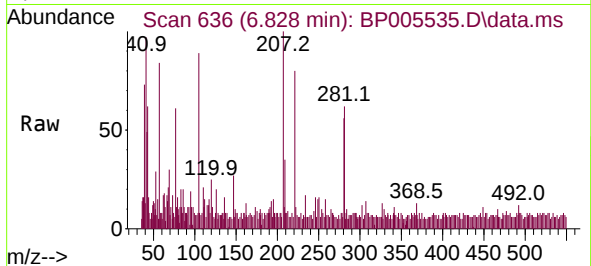




#9
Benzaldehyde
Concen: Below Cal
RT: 6.828 min Scan# 636
Delta R.T. -0.018 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

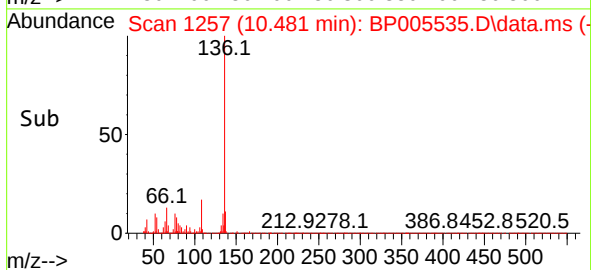
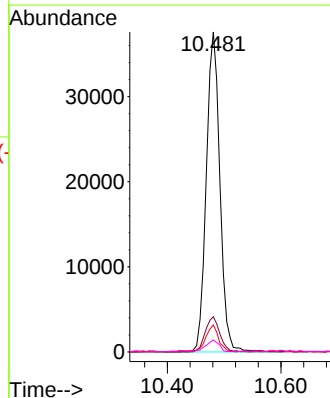
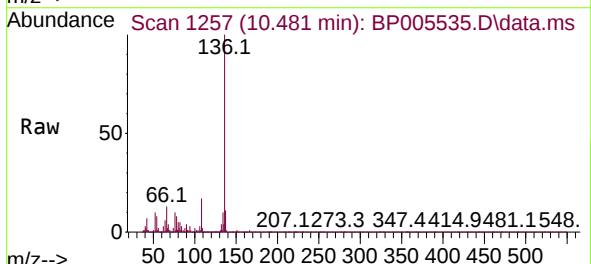
Instrument :
BNA_P
ClientSampleId :
SU-03-051221

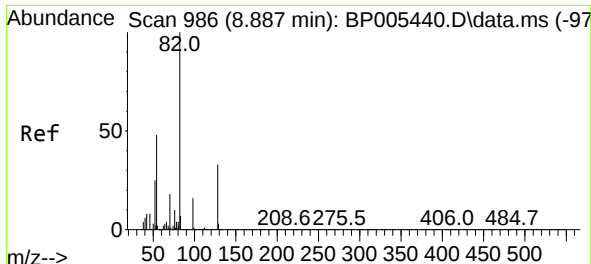
Tgt Ion: 77 Resp: 42
Ion Ratio Lower Upper
77 100
105 135.4 89.4 129.4#
106 11.5 79.9 119.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion: 136 Resp: 62248
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.5 5.0 7.4#
68 3.8 3.7 5.5

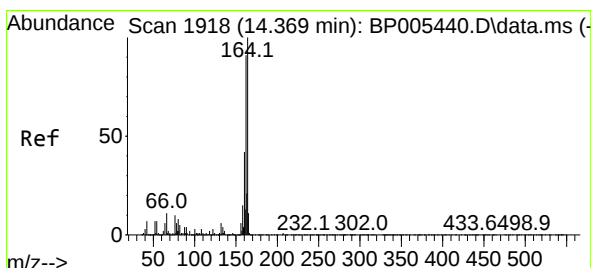
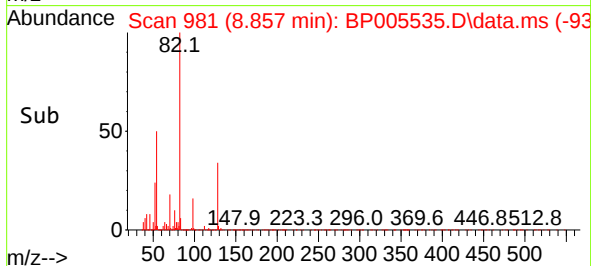
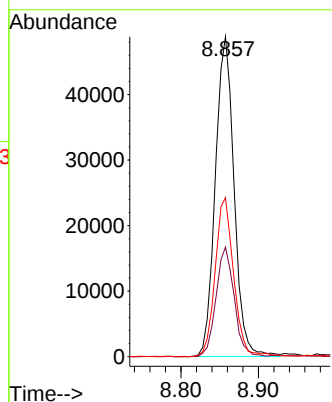
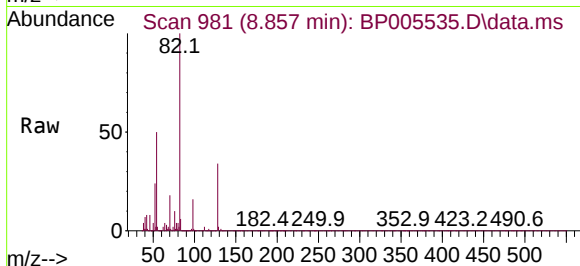




#23
Nitrobenzene-d5
Concen: 52.06 ng
RT: 8.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

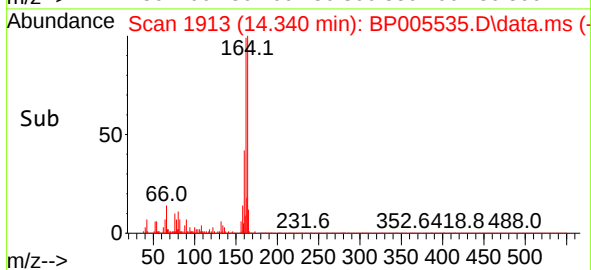
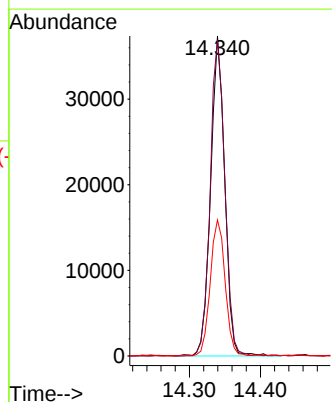
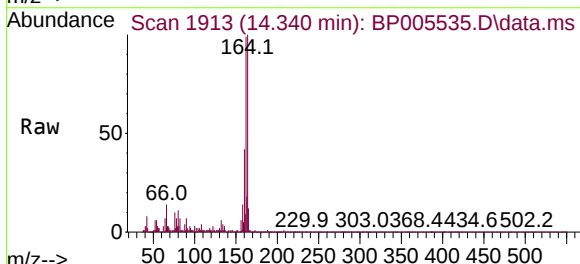
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ClientSampleId :
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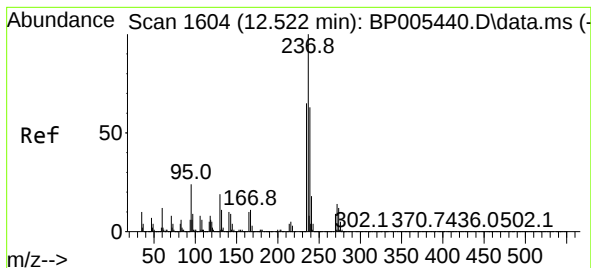
Tgt Ion: 82 Resp: 82335
Ion Ratio Lower Upper
82 100
128 34.3 30.5 45.7
54 49.7 33.9 50.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.000 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion: 164 Resp: 51727
Ion Ratio Lower Upper
164 100
162 98.8 73.5 110.3
160 42.5 40.6 61.0

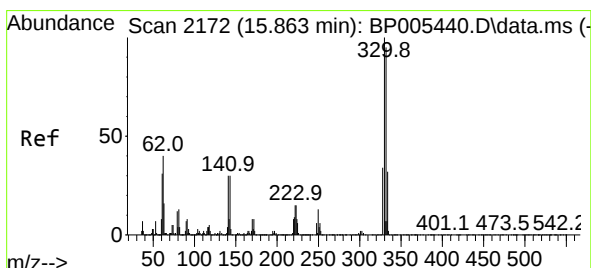
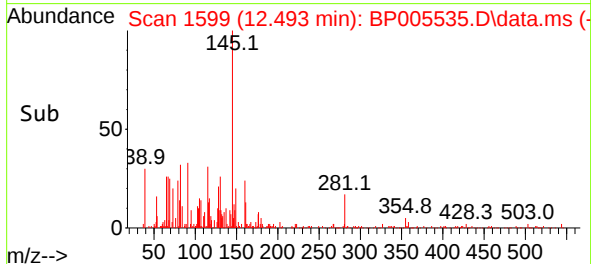
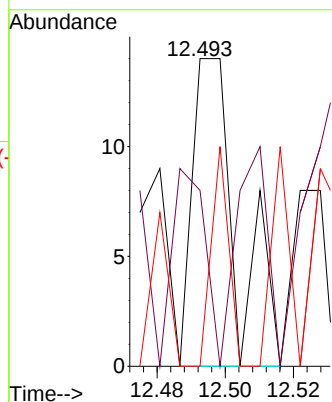
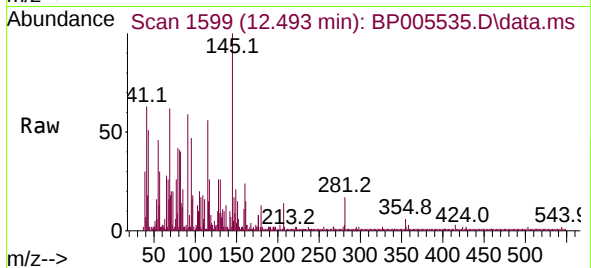




#41
Hexachlorocyclopentadiene
Concen: 7.88 ng
RT: 12.493 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

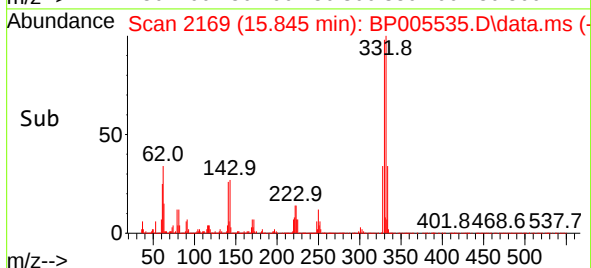
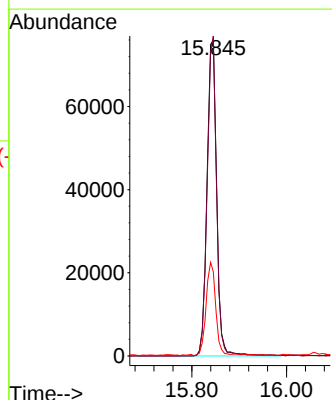
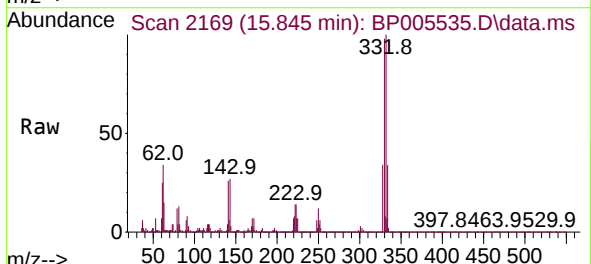
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ClientSampleId :
SU-03-051221

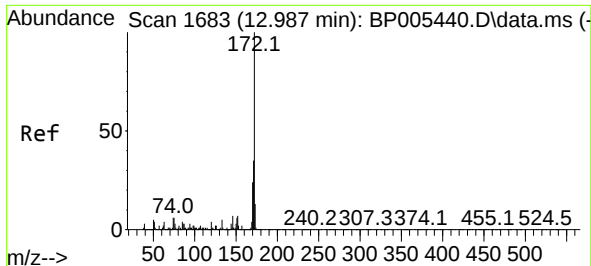
Tgt Ion:237	Resp:	13
Ion Ratio	Lower	Upper
237	100	
235	57.1	40.9 80.9
272	0.0	0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 73.19 ng
RT: 15.845 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion:330	Resp:	107438
Ion Ratio	Lower	Upper
330	100	
332	97.8	76.3 114.5
141	29.7	22.8 34.2

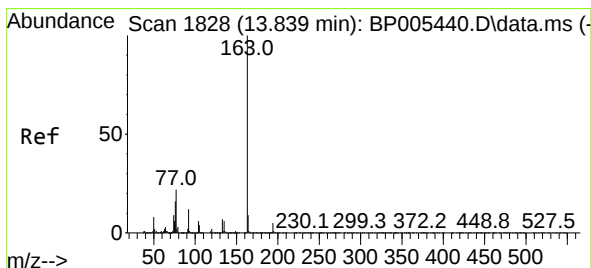
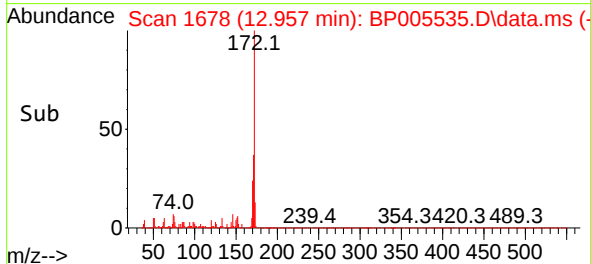
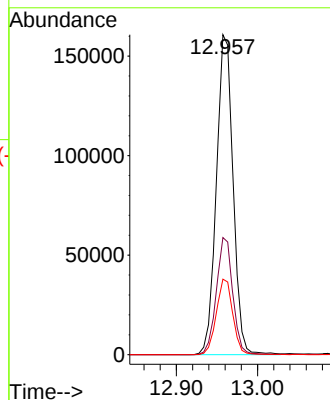
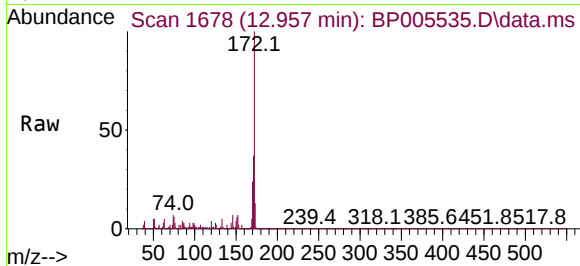




#45
2-Fluorobiphenyl
Concen: 50.15 ng
RT: 12.957 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

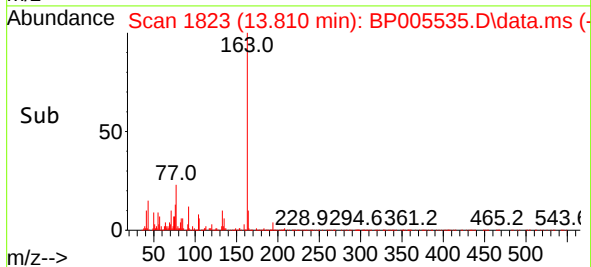
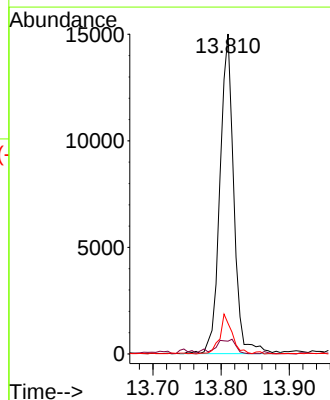
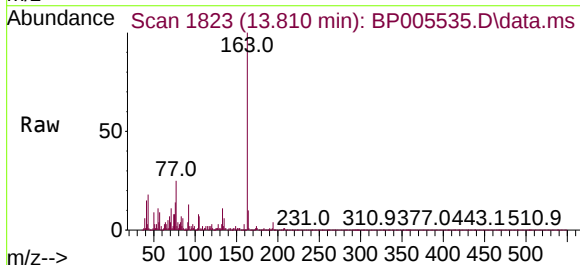
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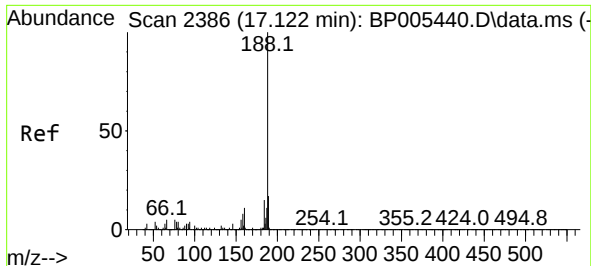
Tgt Ion:	172	Resp:	229978
Ion Ratio	Lower	Upper	
172	100		
171	36.6	28.1	42.1
170	23.6	19.6	29.4



#50
Dimethylphthalate
Concen: 4.76 ng
RT: 13.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion:	163	Resp:	21271
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.9	5.9
164	9.6	8.1	12.1

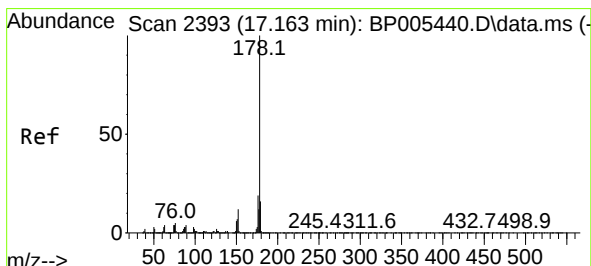
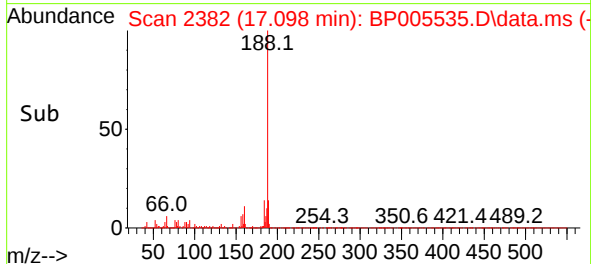
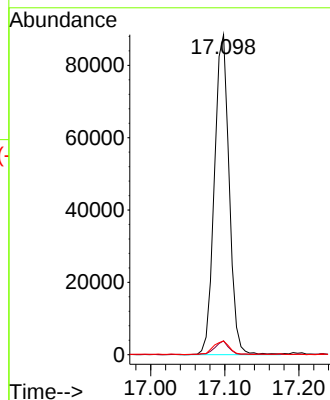
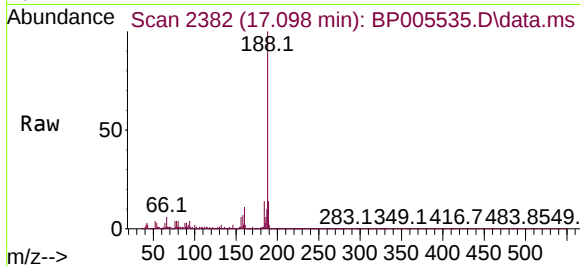




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

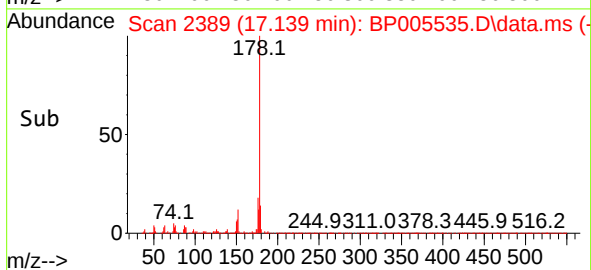
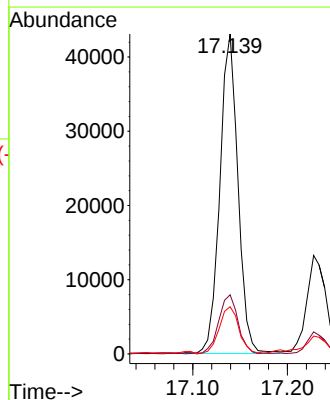
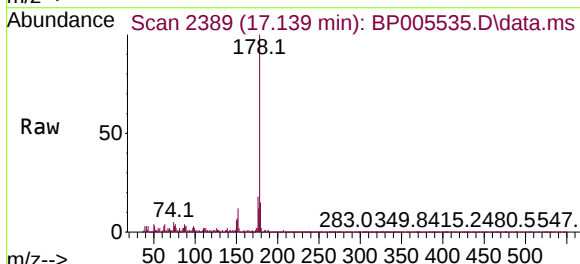
Instrument :
BNA_P
ClientSampleId :
SU-03-051221

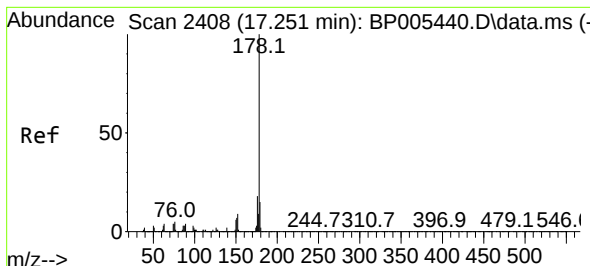
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Ion Ratio Lower Upper
188 100
94 4.7 5.0 7.6#
80 4.3 5.9 8.9#



#71
Phenanthrene
Concen: 8.24 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.000 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion:178 Resp: 57246
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 14.8 12.3 18.5

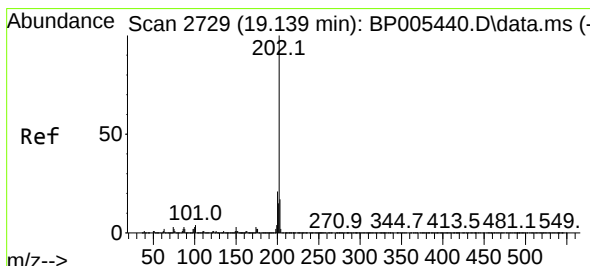
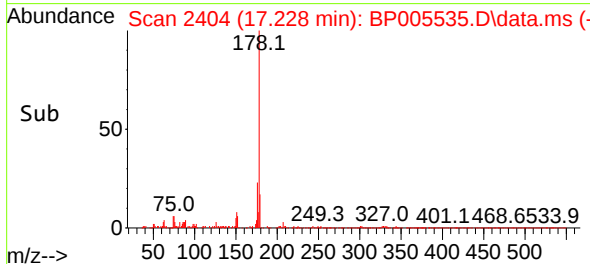
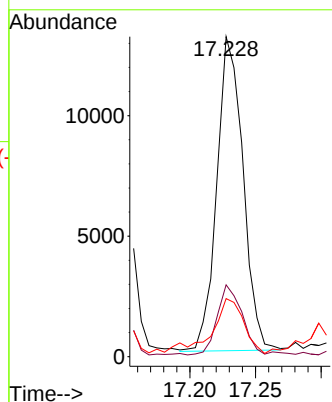
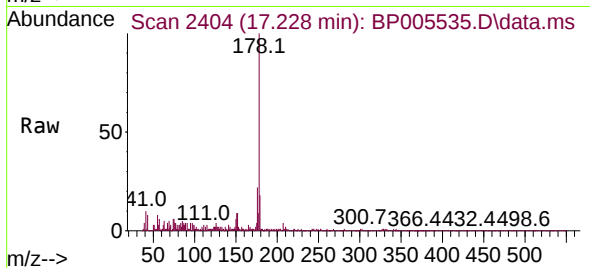




#72
 Anthracene
 Concen: 2.63 ng
 RT: 17.228 min Scan# 2404
 Delta R.T. -0.000 min
 Lab File: BP005535.D
 Acq: 13 May 2021 23:57

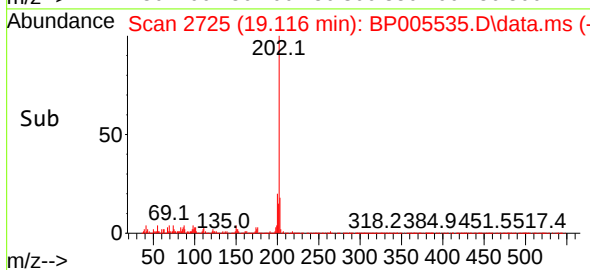
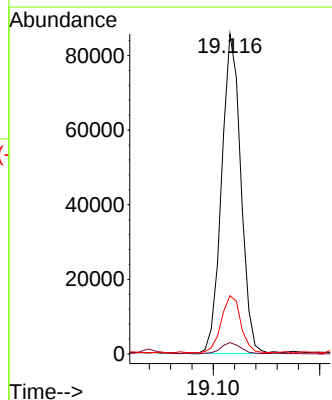
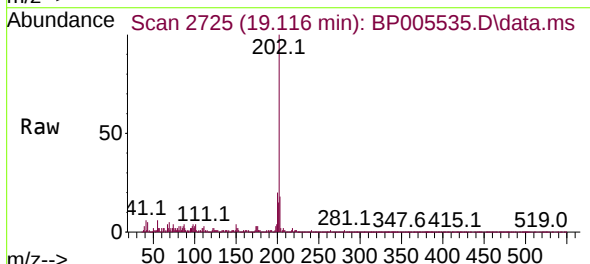
Instrument :
 BNA_P
 ClientSampleId :
 SU-03-051221

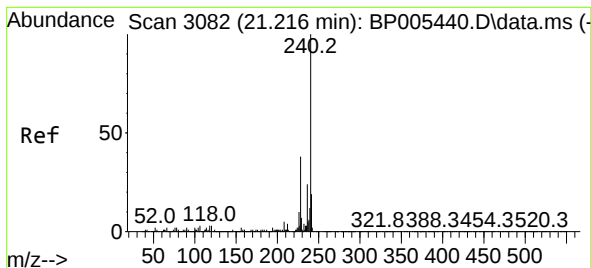
Tgt Ion:	178	Resp:	18105
Ion Ratio	Lower	Upper	
178	100		
176	22.5	15.2	22.8
179	18.1	12.6	19.0



#75
 Fluoranthene
 Concen: 11.23 ng
 RT: 19.116 min Scan# 2725
 Delta R.T. -0.000 min
 Lab File: BP005535.D
 Acq: 13 May 2021 23:57

Tgt Ion:	202	Resp:	107252
Ion Ratio	Lower	Upper	
202	100		
101	3.6	0.0	26.1
203	18.2	0.0	37.2





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.198 min Scan# 3079

Delta R.T. 0.006 min

Lab File: BP005535.D

Acq: 13 May 2021 23:57

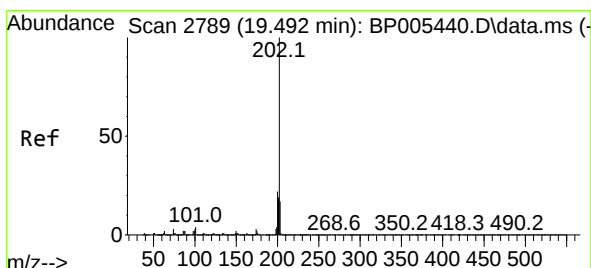
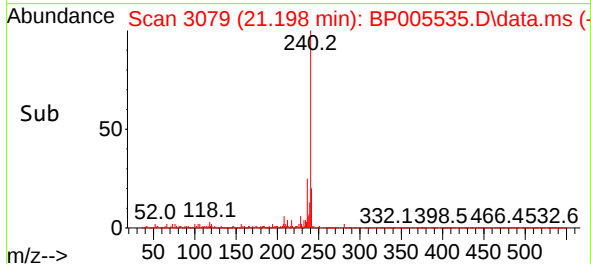
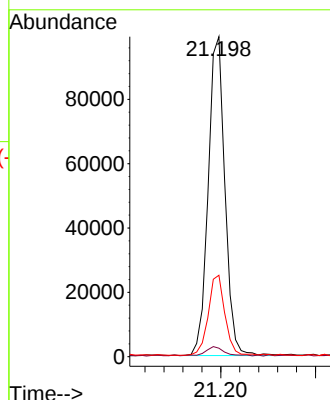
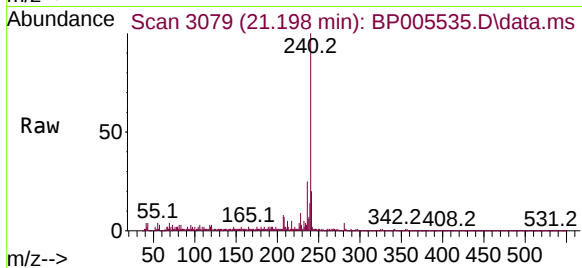
Instrument :

BNA_P

ClientSampleId :

SU-03-051221

Tgt Ion:240 Resp: 121419
 Ion Ratio Lower Upper
 240 100
 120 2.6 4.2 6.2#
 236 25.4 20.2 30.2



#78

Pyrene

Concen: 12.26 ng

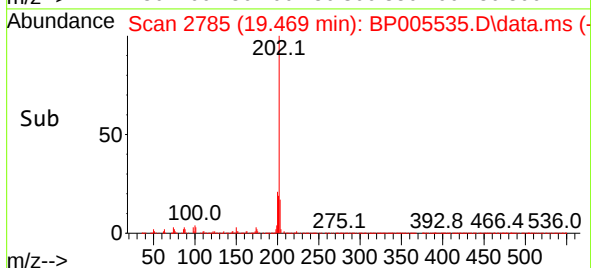
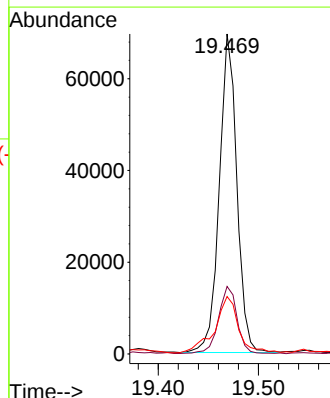
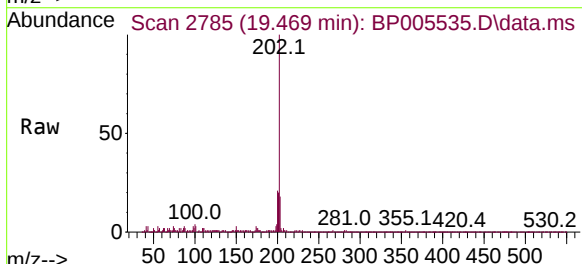
RT: 19.469 min Scan# 2785

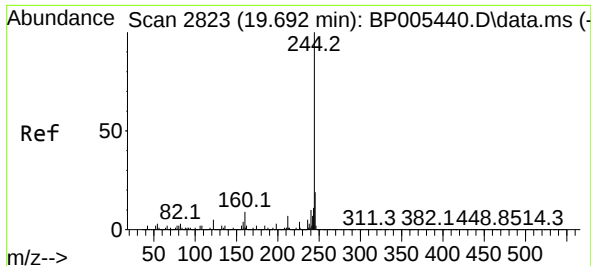
Delta R.T. -0.000 min

Lab File: BP005535.D

Acq: 13 May 2021 23:57

Tgt Ion:202 Resp: 84297
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.9 25.3
 203 17.9 13.8 20.6

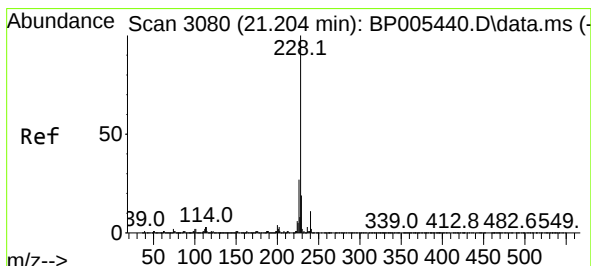
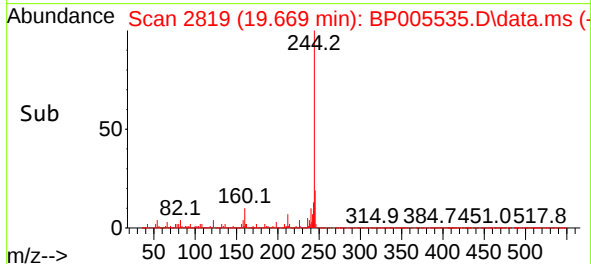
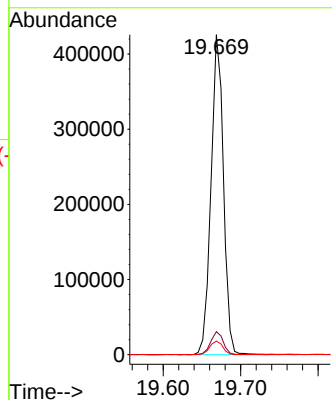
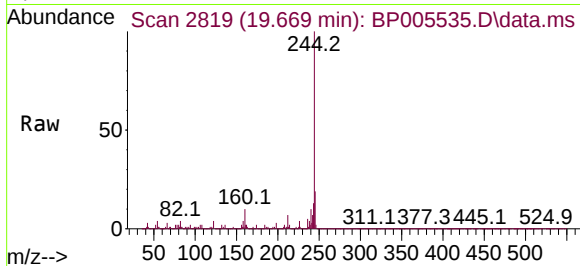




#79
 Terphenyl-d14
 Concen: 66.27 ng
 RT: 19.669 min Scan# 2819
 Delta R.T. -0.000 min
 Lab File: BP005535.D
 Acq: 13 May 2021 23:57

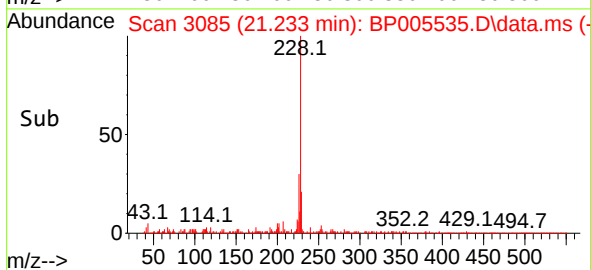
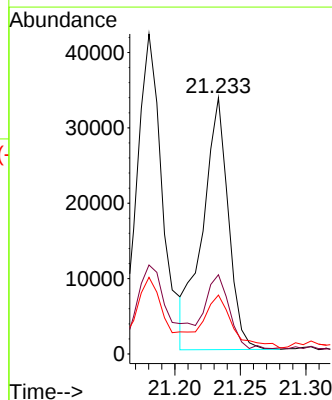
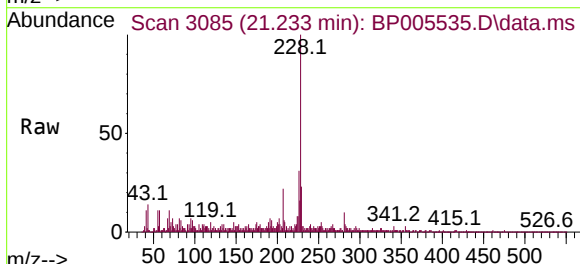
Instrument :
 BNA_P
 ClientSampleId :
 SU-03-051221

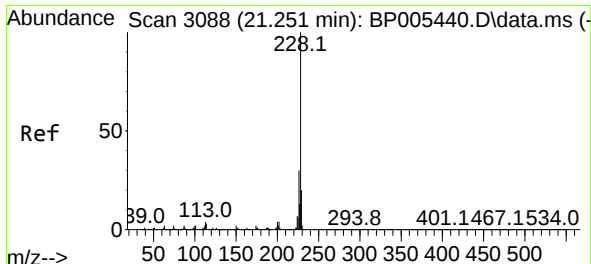
Tgt Ion:244 Resp: 473793
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 4.2 5.2 7.8#



#81
 Benzo(a)anthracene
 Concen: 5.82 ng
 RT: 21.233 min Scan# 3085
 Delta R.T. 0.059 min
 Lab File: BP005535.D
 Acq: 13 May 2021 23:57

Tgt Ion:228 Resp: 45804
 Ion Ratio Lower Upper
 228 100
 226 30.9 21.2 31.8
 229 23.0 15.6 23.4

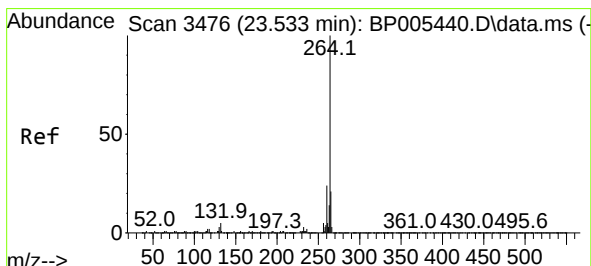
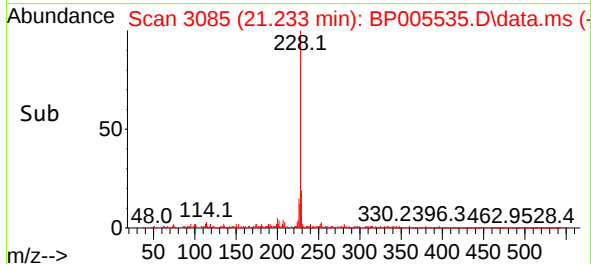
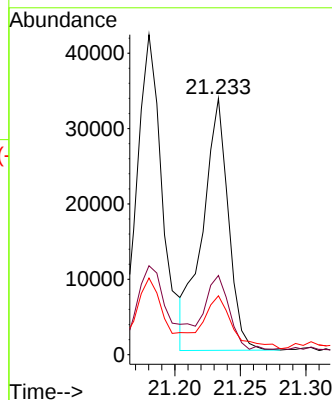
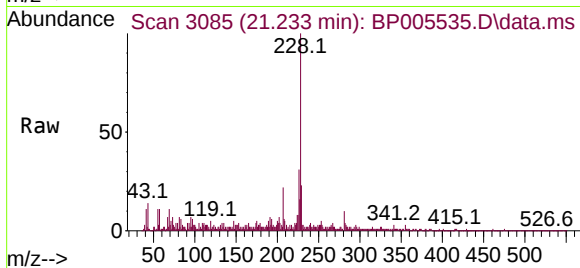




#83
Chrysene
Concen: 6.01 ng
RT: 21.233 min Scan# 3085
Delta R.T. 0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

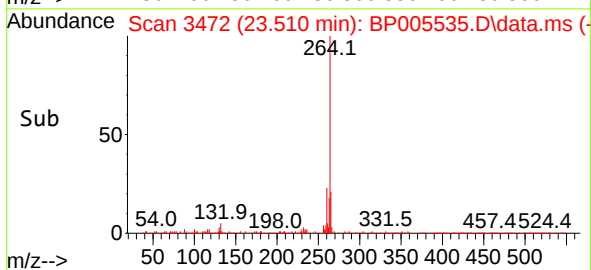
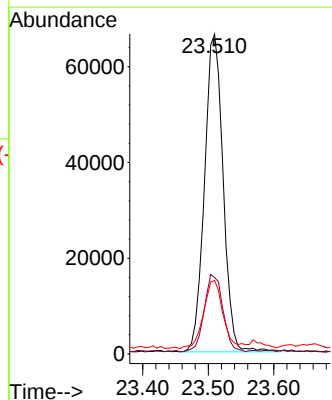
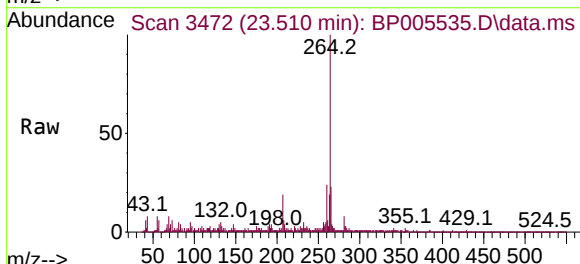
Instrument :
BNA_P
ClientSampleId :
SU-03-051221

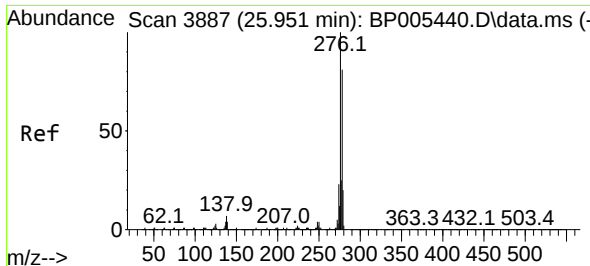
Tgt Ion:	228	Resp:	45804
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.8	37.2
229	23.0	15.4	23.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.510 min Scan# 3472
Delta R.T. 0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion:	264	Resp:	131362
Ion Ratio	Lower	Upper	
264	100		
260	23.9	20.6	30.8
265	22.9	19.0	28.6

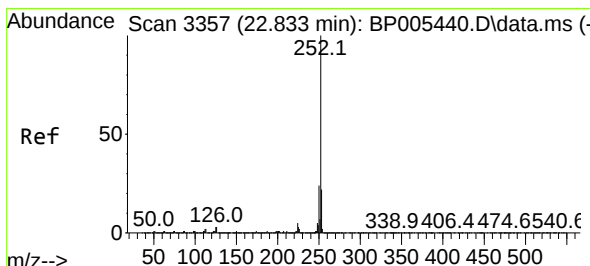
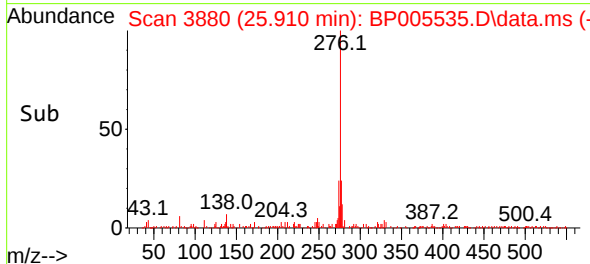
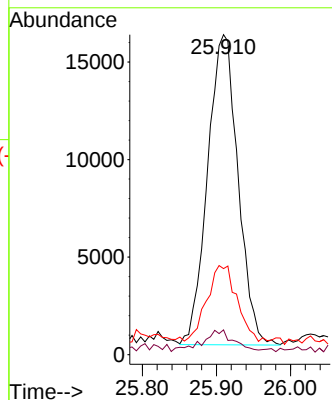
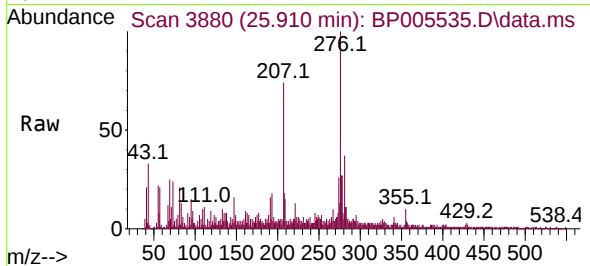




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.11 ng
RT: 25.910 min Scan# 3880
Delta R.T. 0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

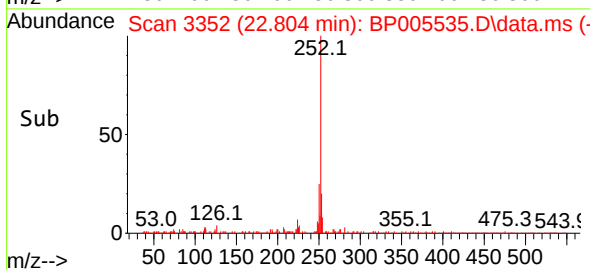
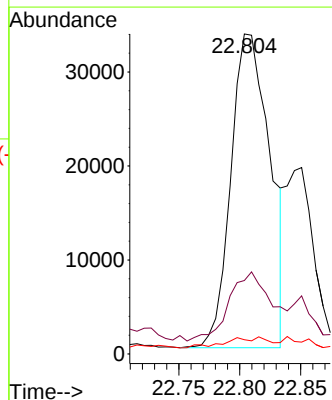
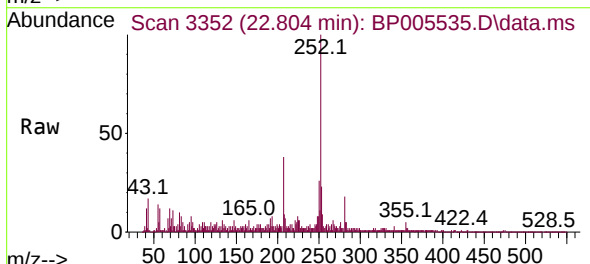
Instrument :
BNA_P
ClientSampleId :
SU-03-051221

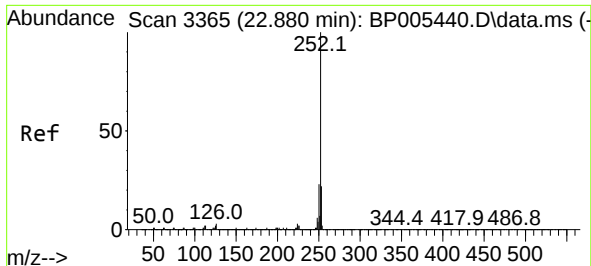
Tgt Ion:276 Resp: 45456
Ion Ratio Lower Upper
276 100
138 7.1 8.4 12.6#
277 23.8 20.6 31.0



#88
Benzo(b)fluoranthene
Concen: 8.56 ng
RT: 22.804 min Scan# 3352
Delta R.T. 0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion:252 Resp: 74949
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 4.5 3.4 5.0

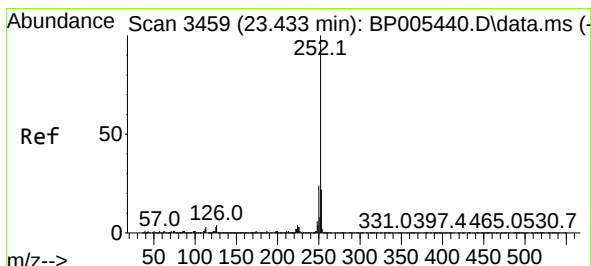
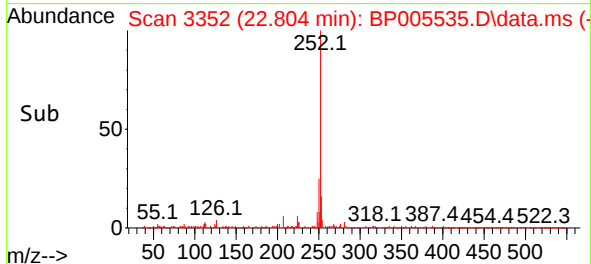
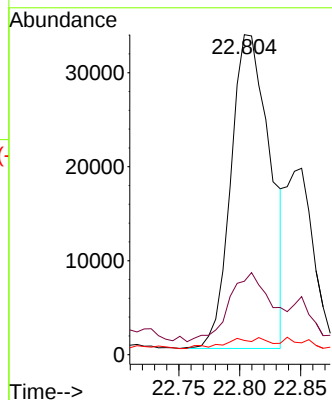
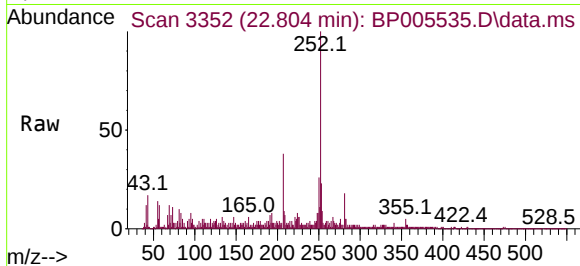




#89
Benzo(k)fluoranthene
Concen: 8.76 ng
RT: 22.804 min Scan# 3352
Delta R.T. -0.041 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

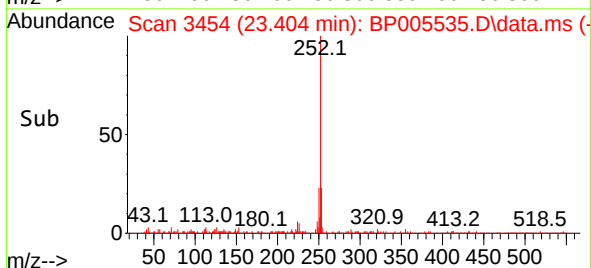
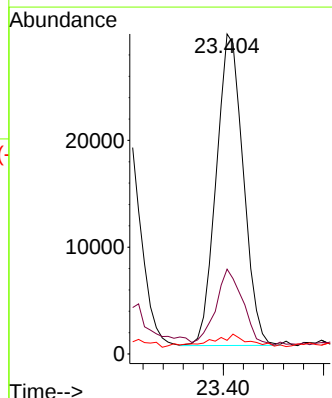
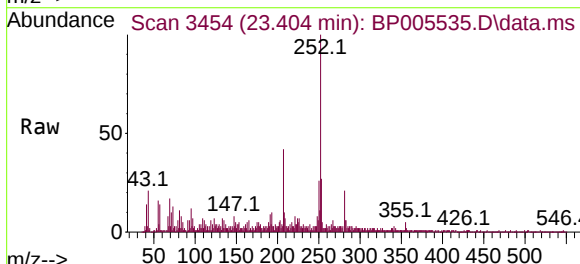
Instrument :
BNA_P
ClientSampleId :
SU-03-051221

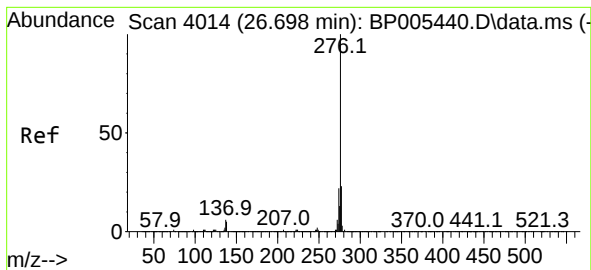
Tgt Ion:252 Resp: 74949
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 4.5 3.8 5.6



#90
Benzo(a)pyrene
Concen: 6.80 ng
RT: 23.404 min Scan# 3454
Delta R.T. 0.006 min
Lab File: BP005535.D
Acq: 13 May 2021 23:57

Tgt Ion:252 Resp: 54528
Ion Ratio Lower Upper
252 100
253 26.5 17.1 25.7#
125 4.3 3.8 5.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.96 ng
 RT: 26.657 min Scan# 4007
 Delta R.T. 0.018 min
 Lab File: BP005535.D
 Acq: 13 May 2021 23:57

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-051221

Tgt Ion:	276	Resp:	44770
Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.8
138	7.6	7.7	11.5#

