

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051421\
 Data File : BP005557.D
 Acq On : 14 May 2021 19:49
 Operator : CG/JU
 Sample : M2389-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CASINO-AVE-4-6

Quant Time: May 14 22:56:43 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 14 12:01:17 2021
 Response via : Initial Calibration

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

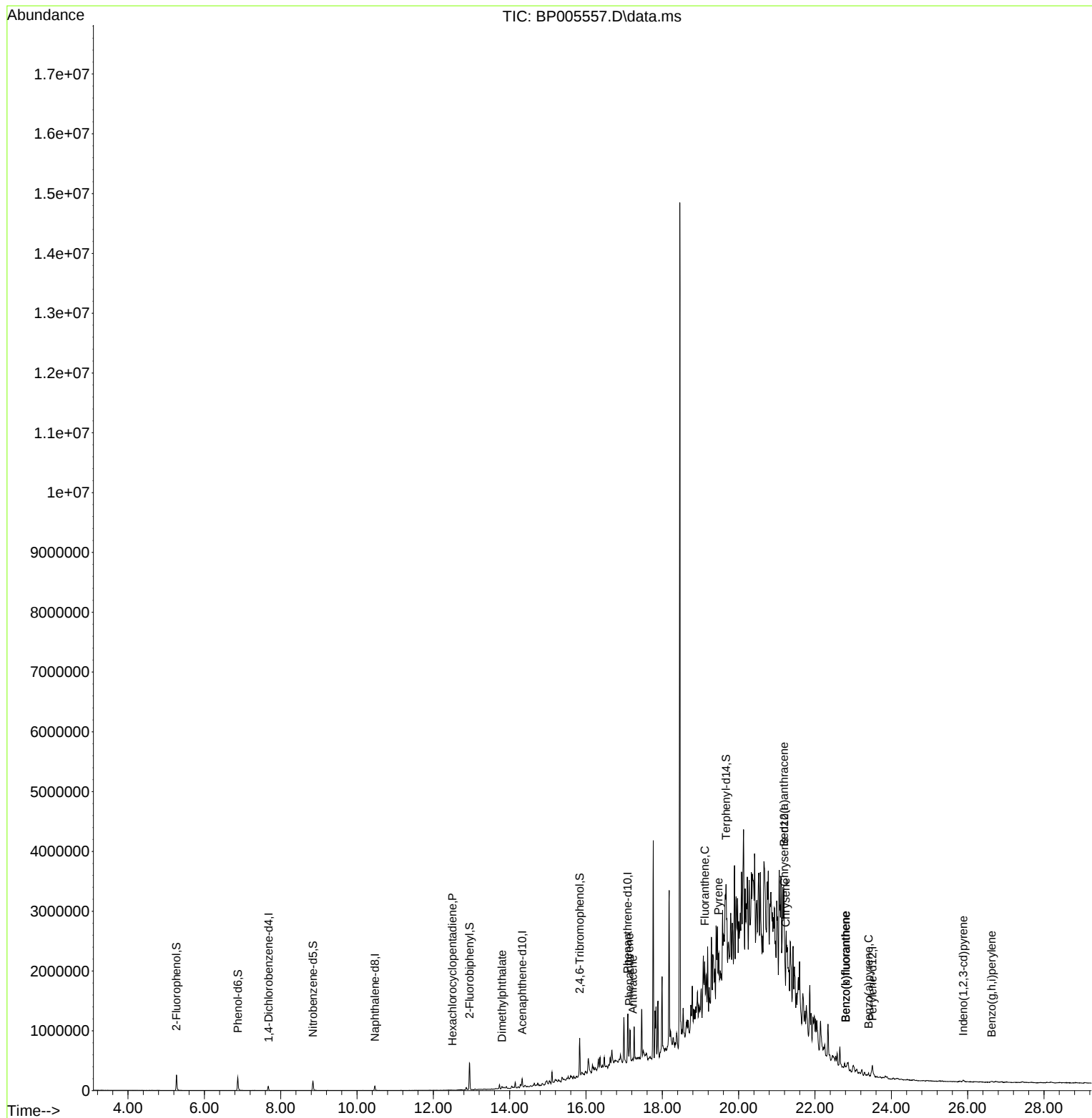
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	14732	20.00	ng	0.00
21) Naphthalene-d8	10.469	136	46962	20.00	ng	# 0.00
39) Acenaphthene-d10	14.328	164	39580	20.00	ng	0.00
64) Phenanthrene-d10	17.092	188	116900	20.00	ng	0.00
76) Chrysene-d12	21.198	240	169586	20.00	ng	# 0.00
86) Perylene-d12	23.504	264	135524	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	82703	107.74	ng	0.00
7) Phenol-d6	6.875	99	93162	97.33	ng	0.00
23) Nitrobenzene-d5	8.846	82	79425	66.57	ng	0.00
42) 2,4,6-Tribromophenol	15.834	330	100449	89.43	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	204312	58.23	ng	0.00
79) Terphenyl-d14	19.669	244	637938	63.88	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.158	88	98	Below Cal	#	1
9) Benzaldehyde	6.869	77	593	Below Cal	#	3
41) Hexachlorocyclopentadiene	12.498	237	10	7.88	ng	90
50) Dimethylphthalate	13.798	163	18006	5.27	ng	100
71) Phenanthrene	17.133	178	63446	9.55	ng	# 93
72) Anthracene	17.228	178	14003	2.12	ng	# 76
75) Fluoranthene	19.116	202	125110	13.69	ng	# 47
78) Pyrene	19.469	202	102176	10.64	ng	# 14
81) Benzo(a)anthracene	21.186	228	64140	5.84	ng	# 79
83) Chrysene	21.233	228	60321	5.66	ng	# 84
87) Indeno(1,2,3-cd)pyrene	25.886	276	28547	2.50	ng	# 90
88) Benzo(b)fluoranthene	22.804	252	59851	6.63	ng	# 95
89) Benzo(k)fluoranthene	22.804	252	59851	6.78	ng	# 93
90) Benzo(a)pyrene	23.404	252	40556	4.90	ng	96
92) Benzo(g,h,i)perylene	26.627	276	26379	2.83	ng	# 95

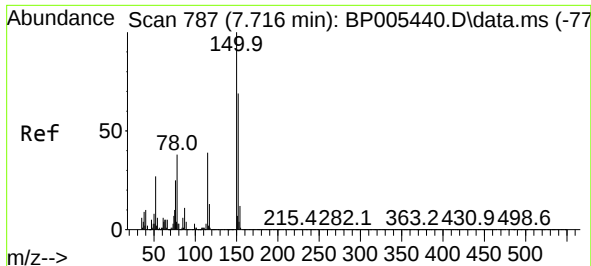
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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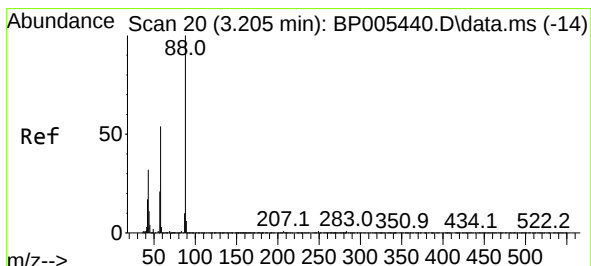
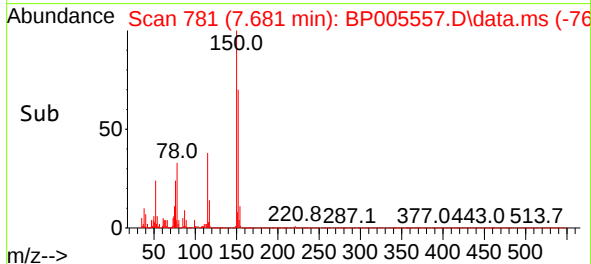
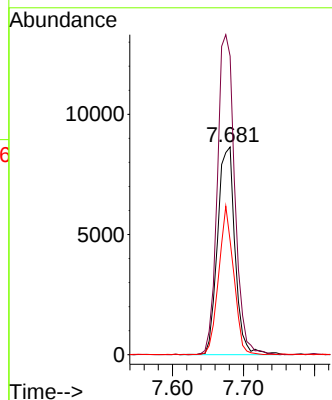
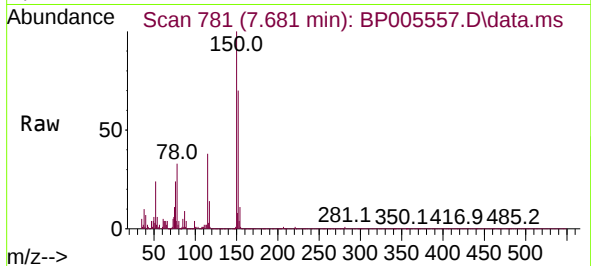




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.681 min Scan# 781
 Delta R.T. 0.006 min
 Lab File: BP005557.D
 Acq: 14 May 2021 19:49

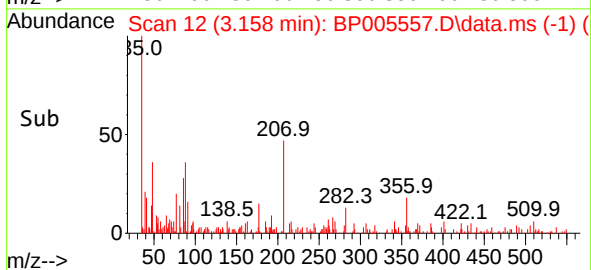
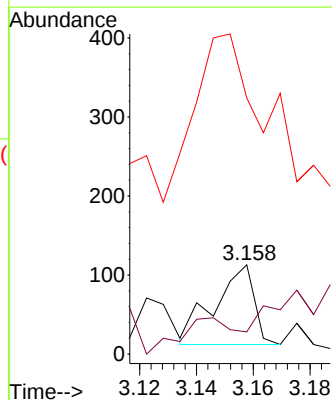
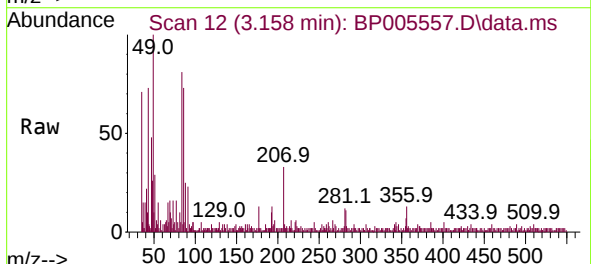
Instrument :
 BNA_P
 ClientSampleId :
 CASINO-AVE-4-6

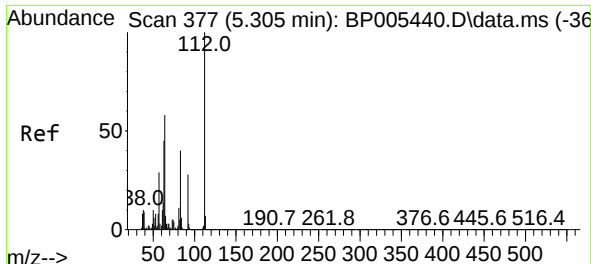
Tgt Ion:152 Resp: 14732
 Ion Ratio Lower Upper
 152 100
 150 143.8 119.8 179.8
 115 54.8 49.0 73.4



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.158 min Scan# 12
 Delta R.T. -0.000 min
 Lab File: BP005557.D
 Acq: 14 May 2021 19:49

Tgt Ion: 88 Resp: 98
 Ion Ratio Lower Upper
 88 100
 58 37.8 42.5 63.7#
 43 504.1 19.8 29.8#

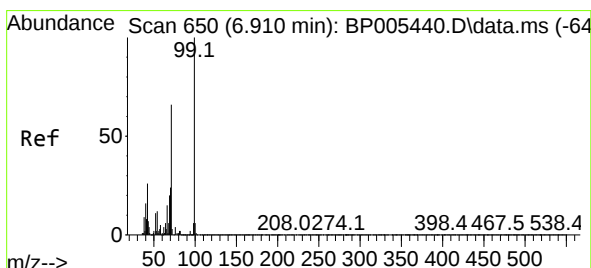
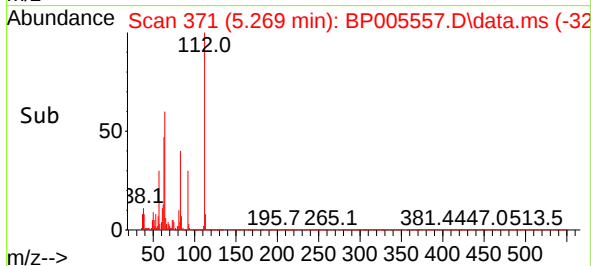
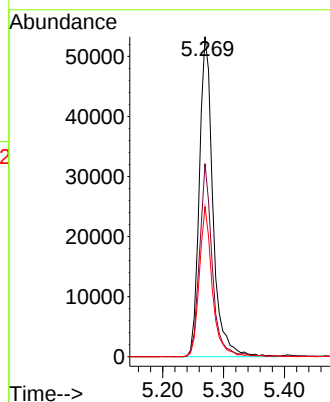
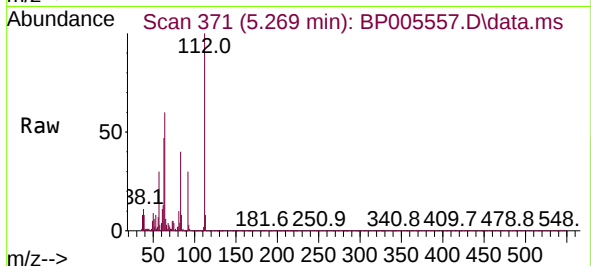




#5
2-Fluorophenol
Concen: 107.74 ng
RT: 5.269 min Scan# 371
Delta R.T. -0.000 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

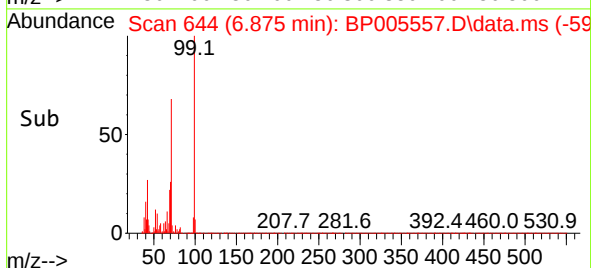
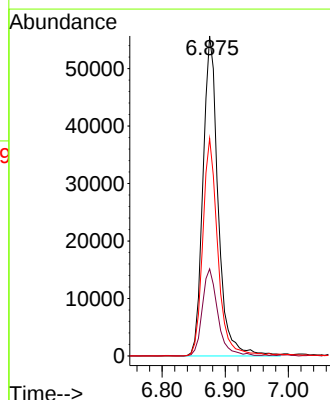
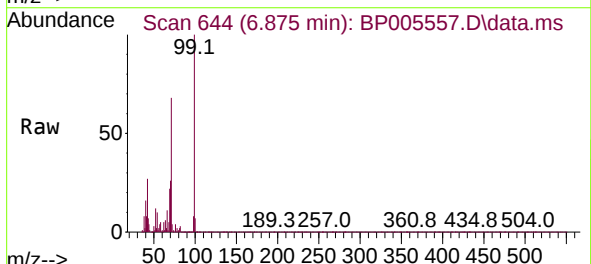
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-4-6

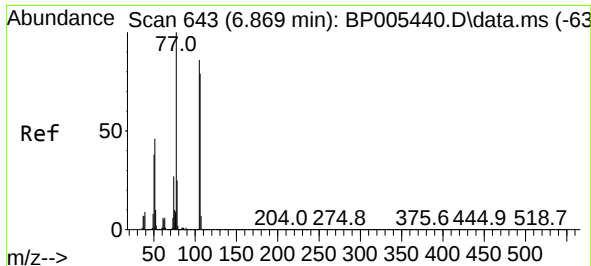
Tgt Ion:112 Resp: 82703
Ion Ratio Lower Upper
112 100
64 60.3 33.6 50.4#
63 46.8 18.6 27.8#



#7
Phenol-d6
Concen: 97.33 ng
RT: 6.875 min Scan# 644
Delta R.T. -0.006 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

Tgt Ion: 99 Resp: 93162
Ion Ratio Lower Upper
99 100
42 27.2 12.9 19.3#
71 68.0 26.7 40.1#

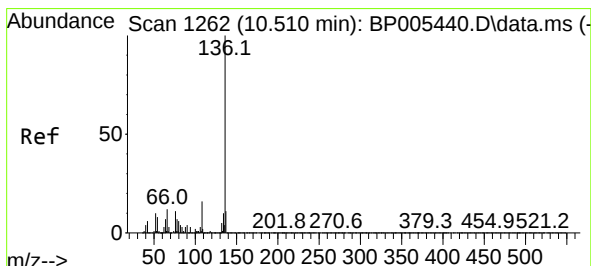
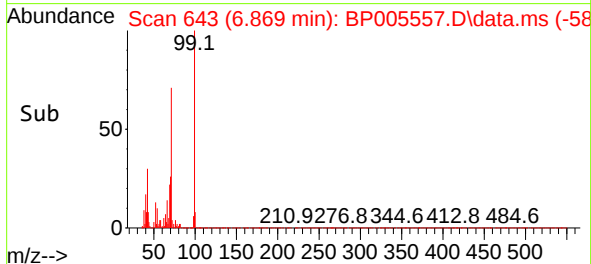
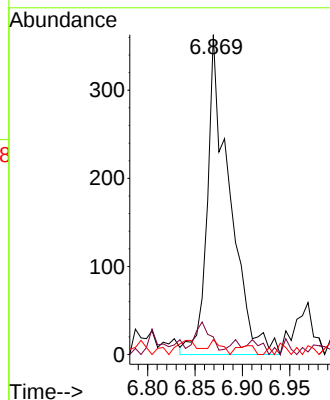
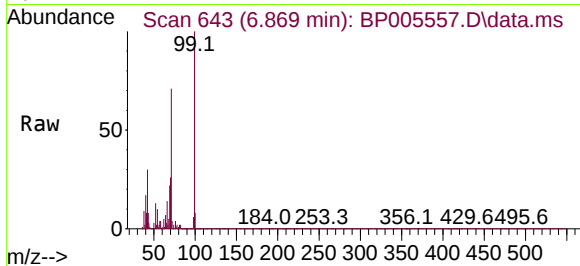




#9
Benzaldehyde
Concen: Below Cal
RT: 6.869 min Scan# 643
Delta R.T. 0.041 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

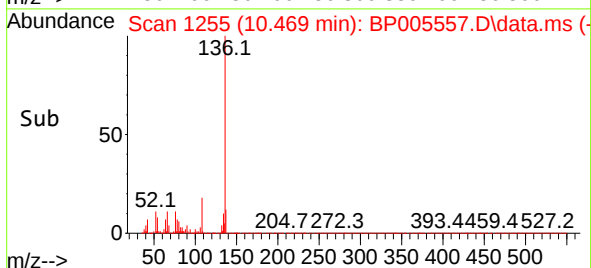
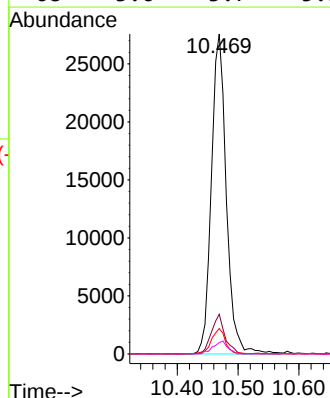
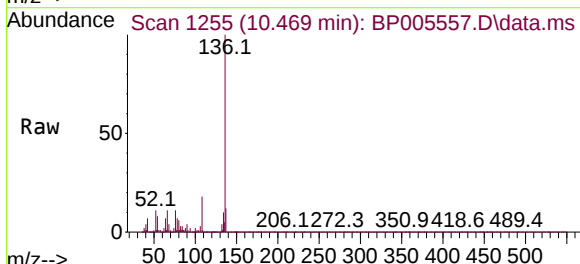
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-4-6

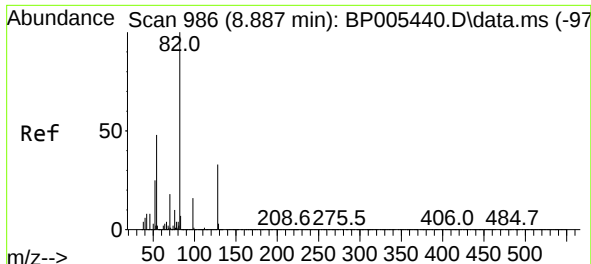
Tgt Ion:	77	Resp:	593
Ion	Ratio	Lower	Upper
77	100		
105	5.5	89.4	129.4#
106	4.7	79.9	119.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.469 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

Tgt Ion:	136	Resp:	46962
Ion	Ratio	Lower	Upper
136	100		
137	12.4	8.9	13.3
54	8.0	5.0	7.4#
68	3.6	3.7	5.5#

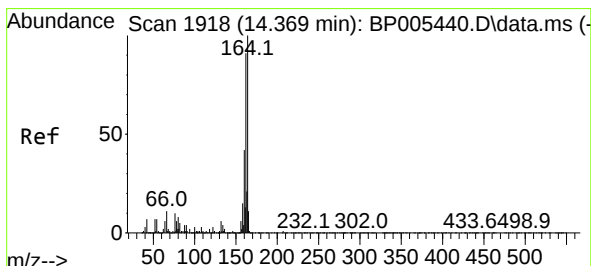
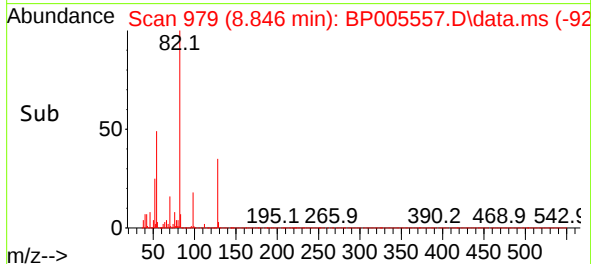
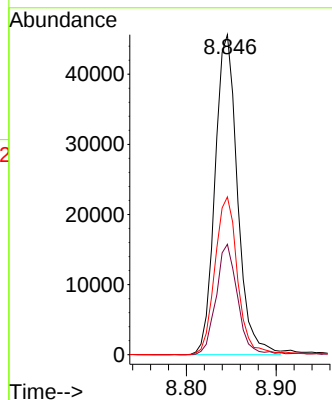
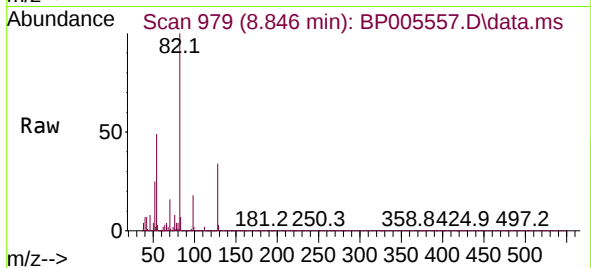




#23
Nitrobenzene-d5
Concen: 66.57 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

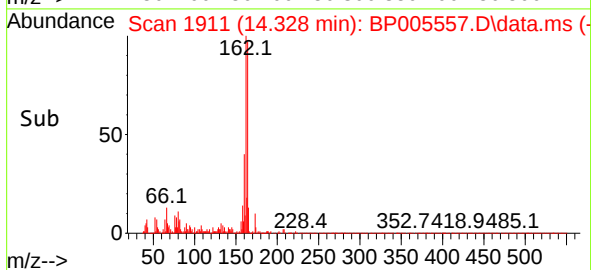
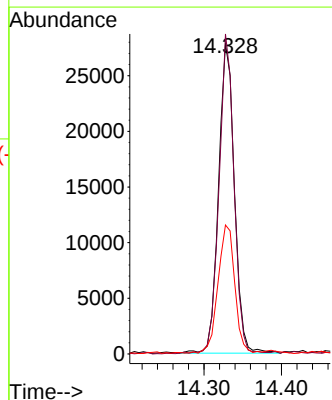
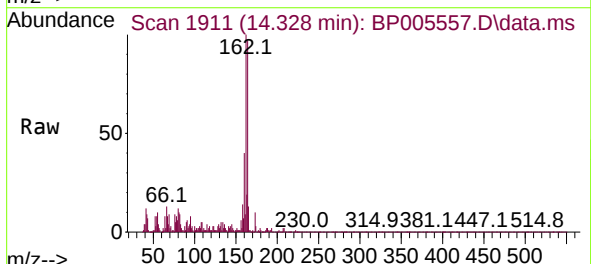
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-4-6

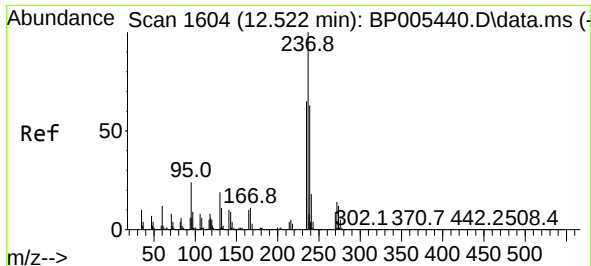
Tgt Ion: 82 Resp: 79425
Ion Ratio Lower Upper
82 100
128 34.5 30.5 45.7
54 49.3 33.9 50.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.328 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

Tgt Ion: 164 Resp: 39580
Ion Ratio Lower Upper
164 100
162 103.2 73.5 110.3
160 41.6 40.6 61.0

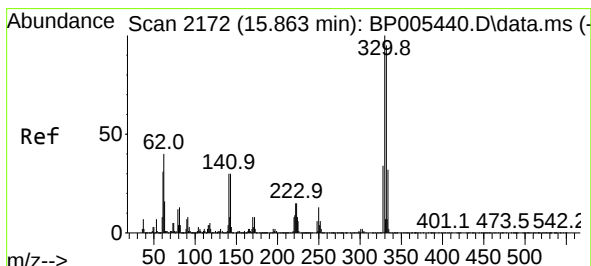
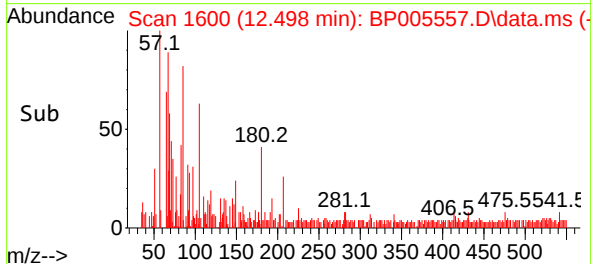
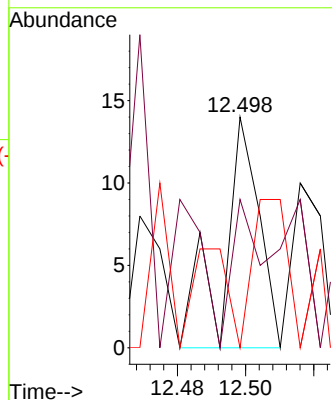
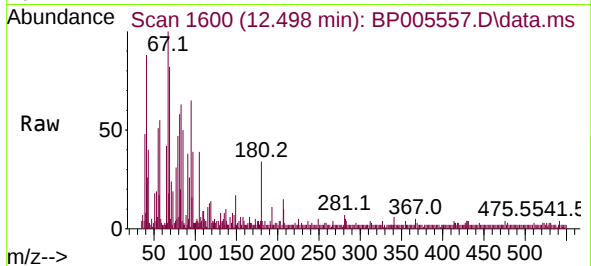




#41
Hexachlorocyclopentadiene
Concen: 7.88 ng
RT: 12.498 min Scan# 1600
Delta R.T. 0.018 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

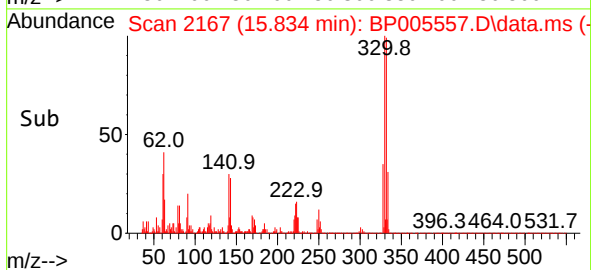
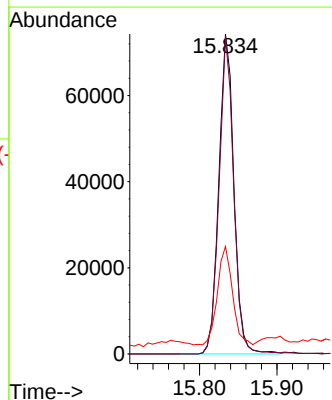
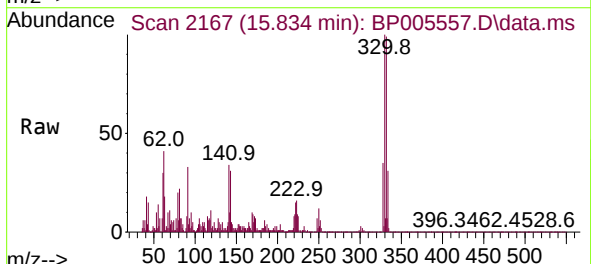
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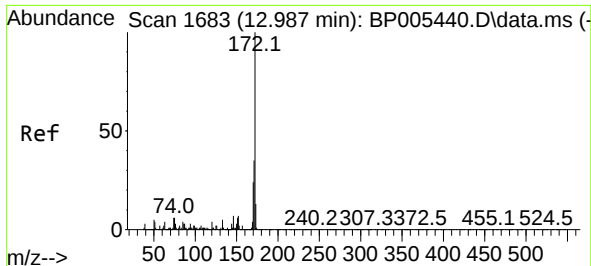
Tgt Ion:237	Resp:	10
Ion Ratio	Lower	Upper
237	100	
235	64.3	40.9 80.9
272	0.0	0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 89.43 ng
RT: 15.834 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

Tgt Ion:330	Resp:	100449
Ion Ratio	Lower	Upper
330	100	
332	95.7	76.3 114.5
141	30.5	22.8 34.2

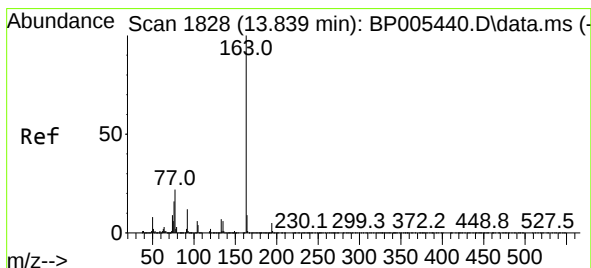
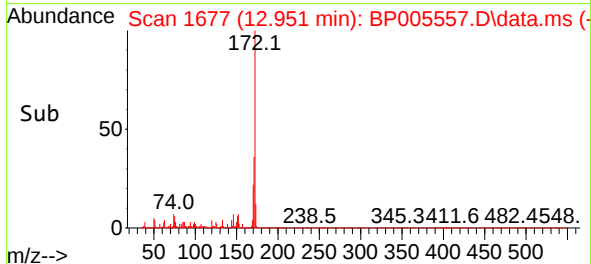
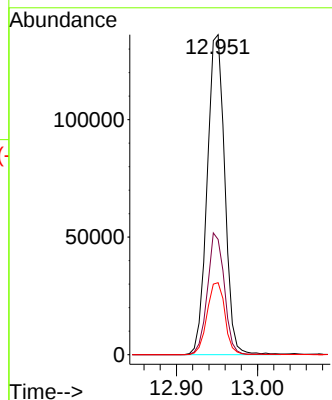
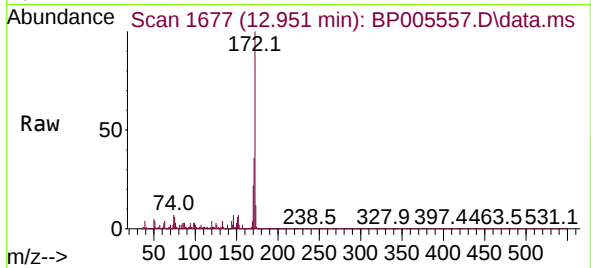




#45
2-Fluorobiphenyl
Concen: 58.23 ng
RT: 12.951 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

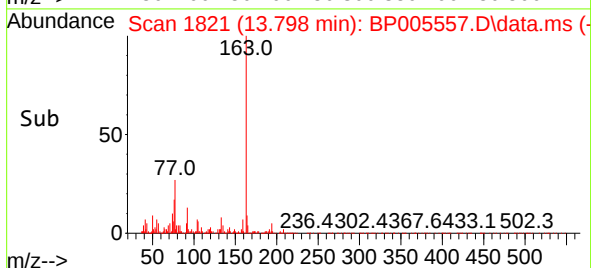
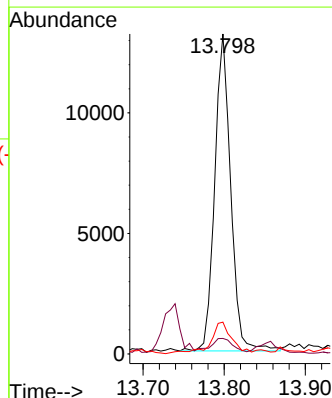
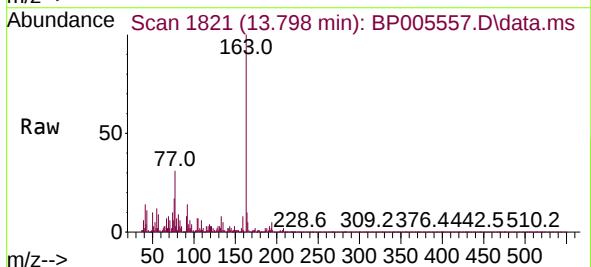
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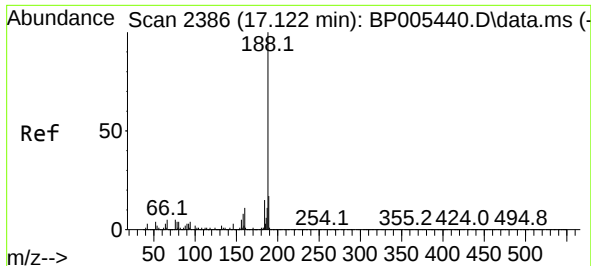
Tgt Ion:172 Resp: 204312
Ion Ratio Lower Upper
172 100
171 36.0 28.1 42.1
170 22.5 19.6 29.4



#50
Dimethylphthalate
Concen: 5.27 ng
RT: 13.798 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

Tgt Ion:163 Resp: 18006
Ion Ratio Lower Upper
163 100
194 4.8 3.9 5.9
164 10.0 8.1 12.1

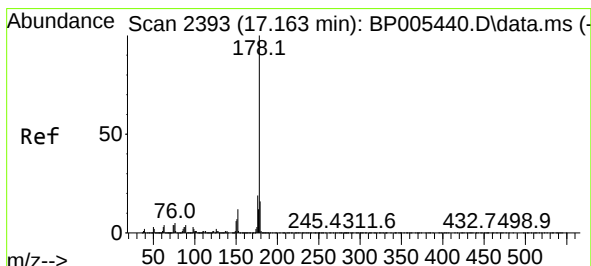
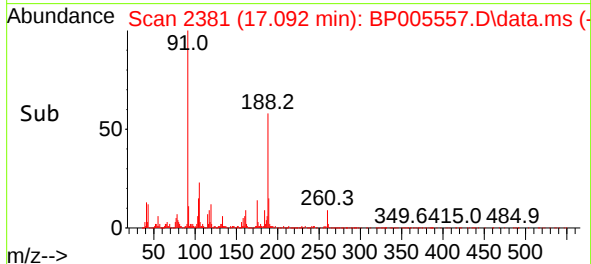
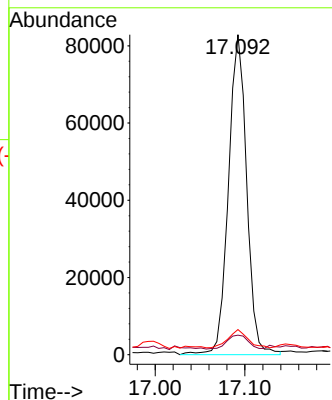
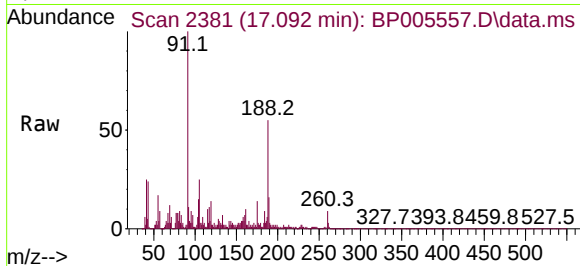




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2381
Delta R.T. 0.006 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

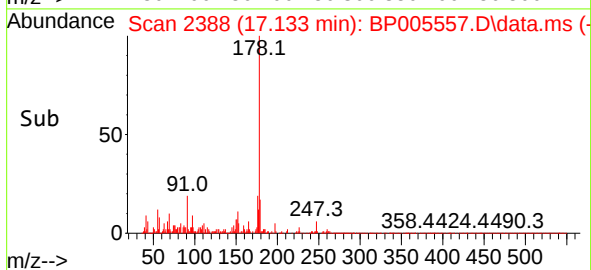
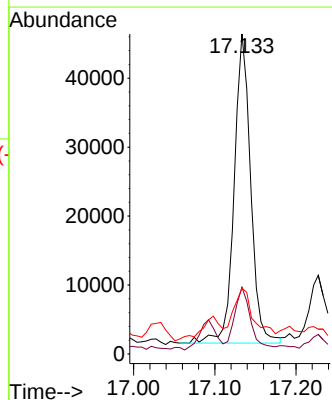
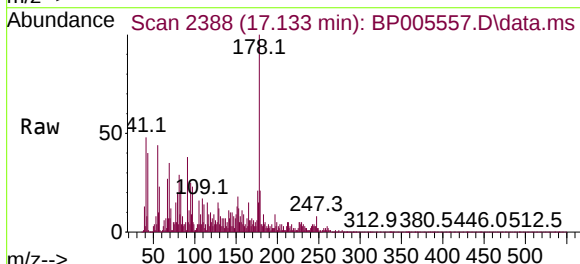
Instrument :
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CASINO-AVE-4-6

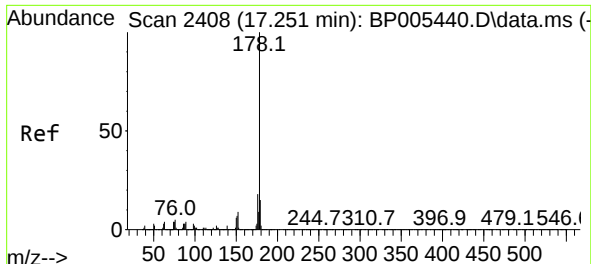
Tgt Ion:188 Resp: 116900
Ion Ratio Lower Upper
188 100
94 6.1 5.0 7.6
80 7.9 5.9 8.9



#71
Phenanthrene
Concen: 9.55 ng
RT: 17.133 min Scan# 2388
Delta R.T. -0.000 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

Tgt Ion:178 Resp: 63446
Ion Ratio Lower Upper
178 100
176 20.9 15.4 23.2
179 20.5 12.3 18.5#

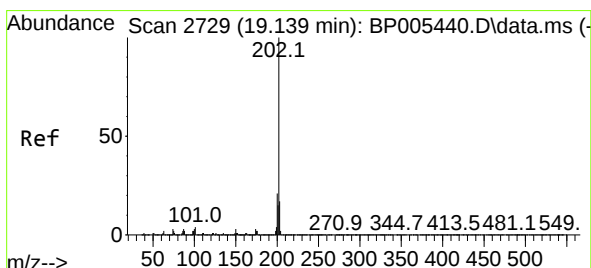
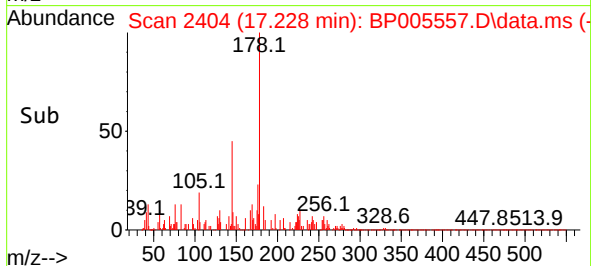
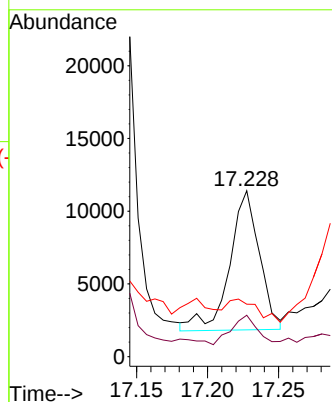
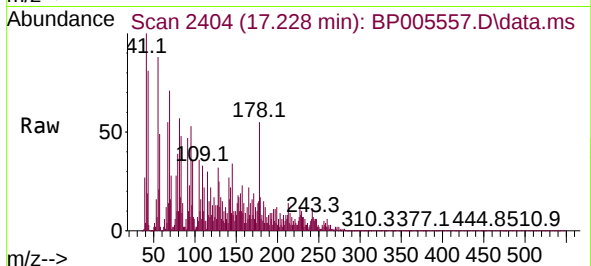




#72
 Anthracene
 Concen: 2.12 ng
 RT: 17.228 min Scan# 2404
 Delta R.T. -0.000 min
 Lab File: BP005557.D
 Acq: 14 May 2021 19:49

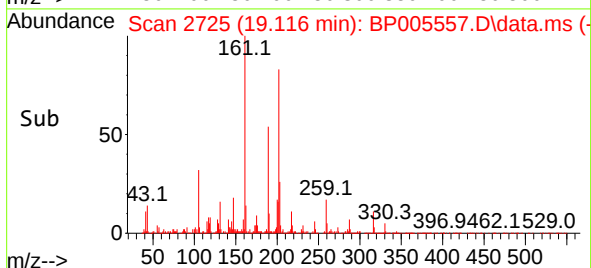
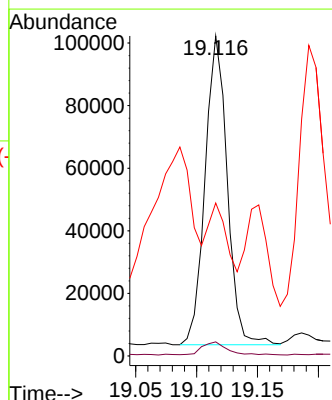
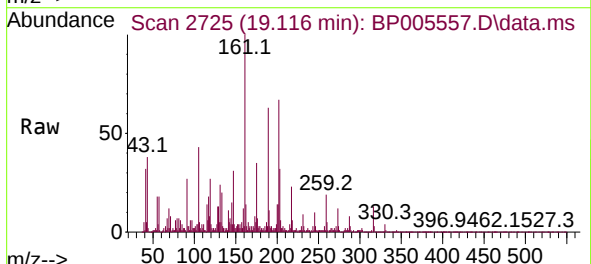
Instrument :
 BNA_P
 ClientSampleId :
 CASINO-AVE-4-6

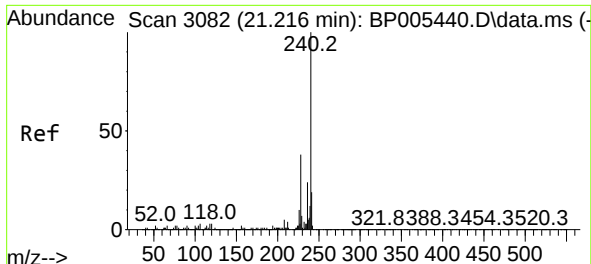
Tgt Ion:178 Resp: 14003
 Ion Ratio Lower Upper
 178 100
 176 24.9 15.2 22.8#
 179 31.6 12.6 19.0#



#75
 Fluoranthene
 Concen: 13.69 ng
 RT: 19.116 min Scan# 2725
 Delta R.T. 0.006 min
 Lab File: BP005557.D
 Acq: 14 May 2021 19:49

Tgt Ion:202 Resp: 125110
 Ion Ratio Lower Upper
 202 100
 101 4.4 0.0 26.1
 203 47.8 0.0 37.2#

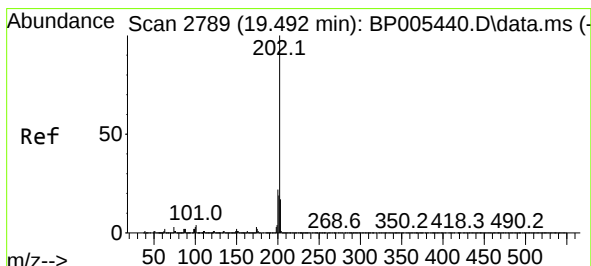
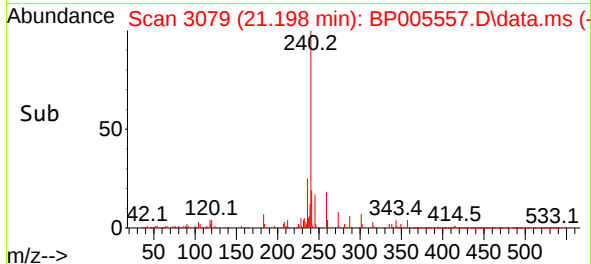
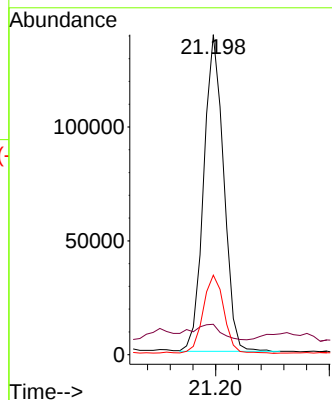
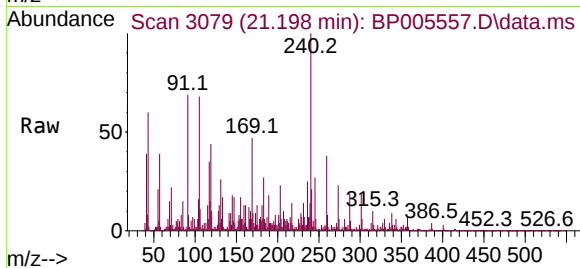




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.198 min Scan# 3079
Delta R.T. 0.006 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

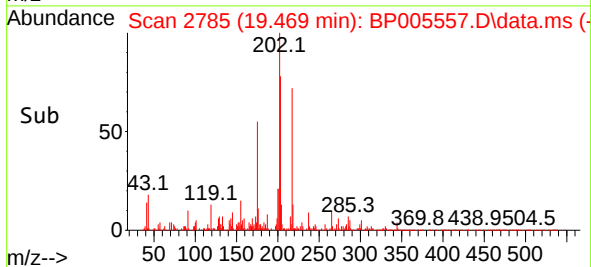
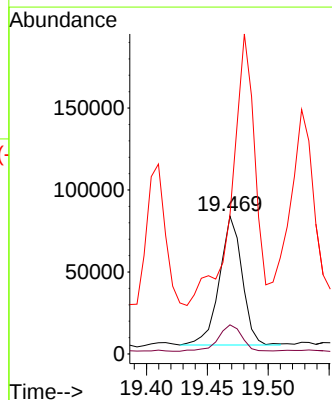
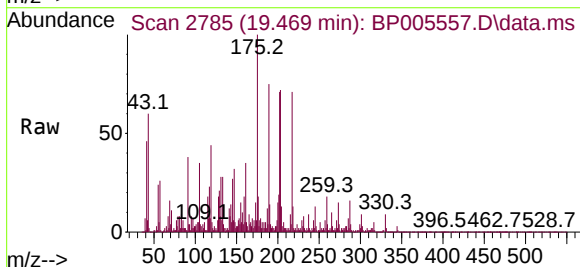
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-4-6

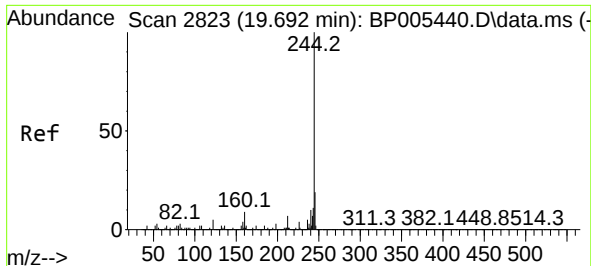
Tgt Ion:240 Resp: 169586
Ion Ratio Lower Upper
240 100
120 9.5 4.2 6.2#
236 24.8 20.2 30.2



#78
Pyrene
Concen: 10.64 ng
RT: 19.469 min Scan# 2785
Delta R.T. 0.006 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

Tgt Ion:202 Resp: 102176
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 100.8 13.8 20.6#

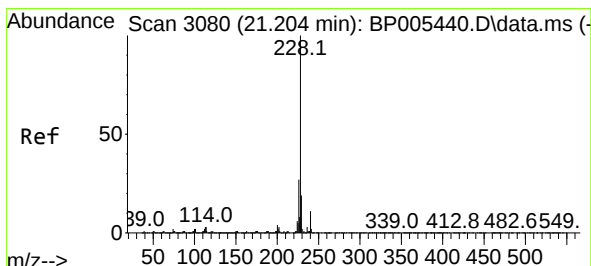
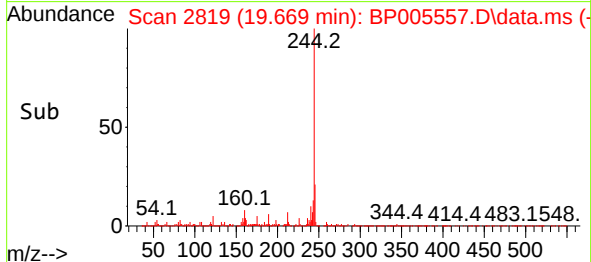
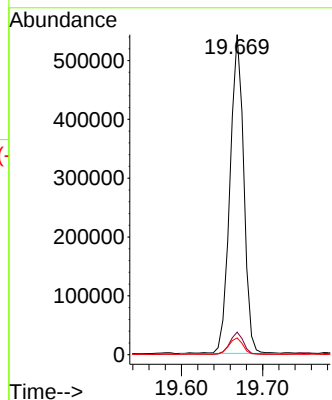
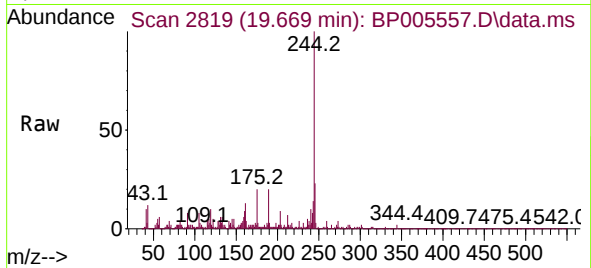




#79
 Terphenyl-d14
 Concen: 63.88 ng
 RT: 19.669 min Scan# 2819
 Delta R.T. 0.006 min
 Lab File: BP005557.D
 Acq: 14 May 2021 19:49

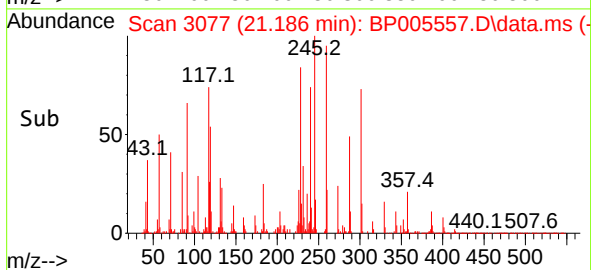
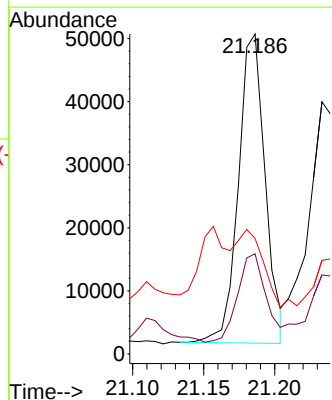
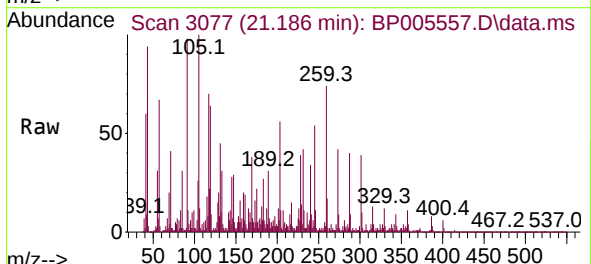
Instrument :
 BNA_P
 ClientSampleId :
 CASINO-AVE-4-6

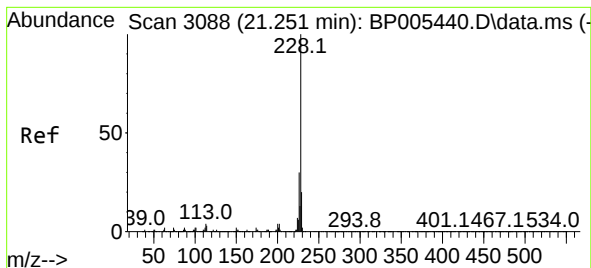
Tgt Ion:244 Resp: 637938
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 5.2 5.2 7.8



#81
 Benzo(a)anthracene
 Concen: 5.84 ng
 RT: 21.186 min Scan# 3077
 Delta R.T. 0.012 min
 Lab File: BP005557.D
 Acq: 14 May 2021 19:49

Tgt Ion:228 Resp: 64140
 Ion Ratio Lower Upper
 228 100
 226 31.3 21.2 31.8
 229 36.1 15.6 23.4#





#83

Chrysene

Concen: 5.66 ng

RT: 21.233 min Scan# 3085

Delta R.T. 0.006 min

Lab File: BP005557.D

Acq: 14 May 2021 19:49

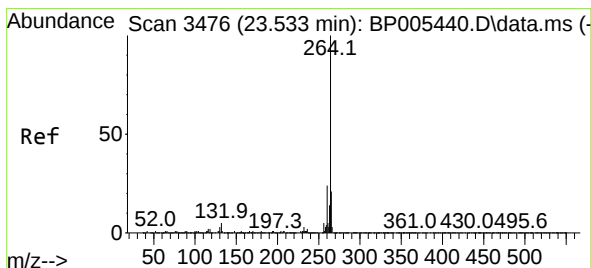
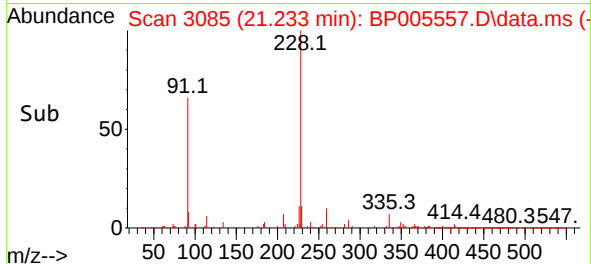
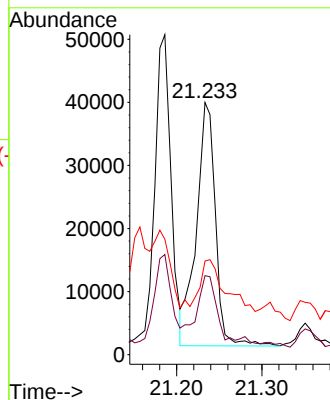
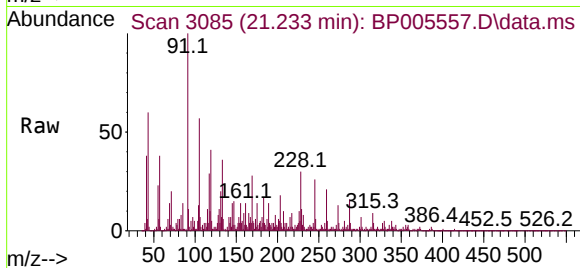
Instrument :

BNA_P

ClientSampleId :

CASINO-AVE-4-6

Tgt Ion:228	Resp: 60321
Ion Ratio	Lower Upper
228 100	
226 31.4	24.8 37.2
229 37.1	15.4 23.0



#86

Perylene-d12

Concen: 20.00 ng

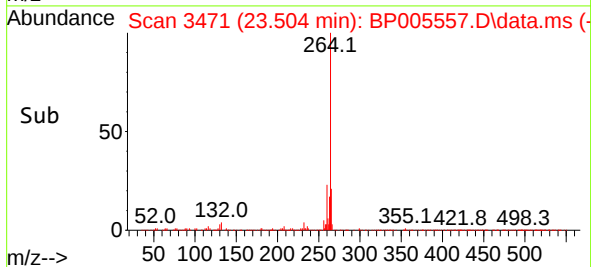
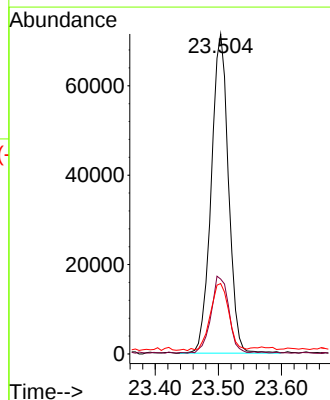
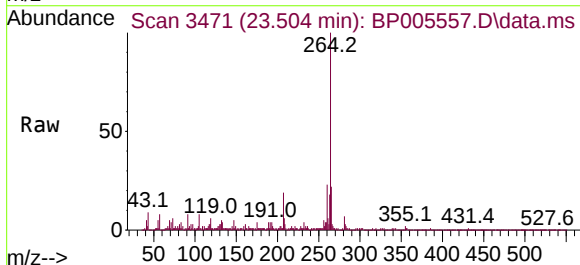
RT: 23.504 min Scan# 3471

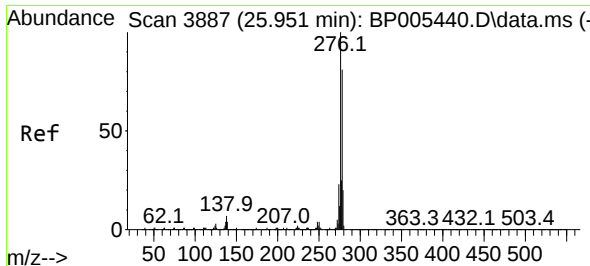
Delta R.T. 0.006 min

Lab File: BP005557.D

Acq: 14 May 2021 19:49

Tgt Ion:264	Resp: 135524
Ion Ratio	Lower Upper
264 100	
260 23.4	20.6 30.8
265 22.0	19.0 28.6

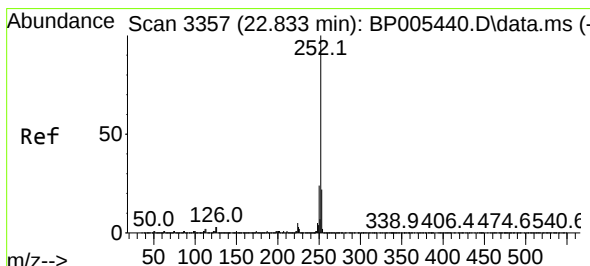
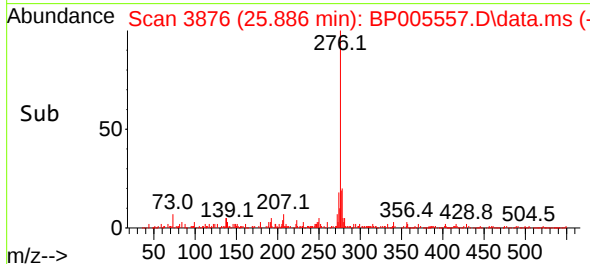
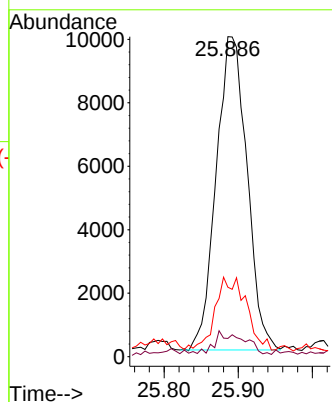
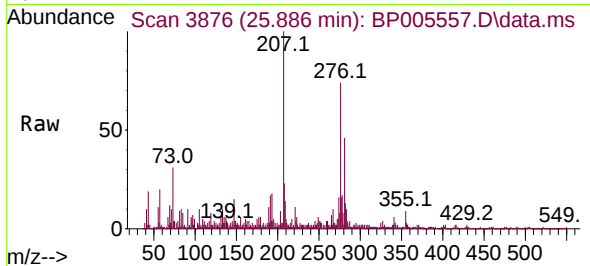




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.50 ng
RT: 25.886 min Scan# 3876
Delta R.T. -0.018 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

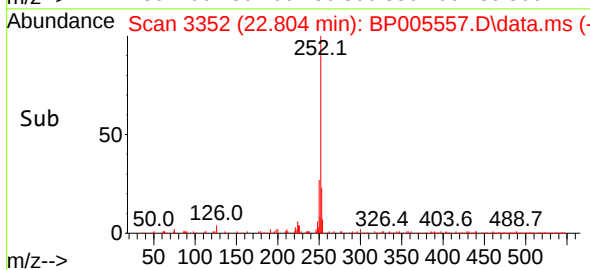
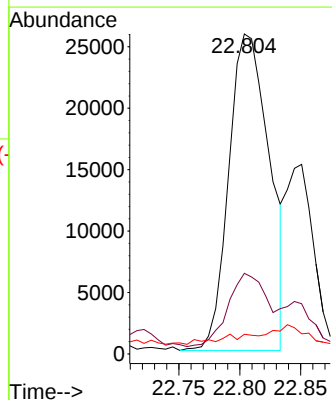
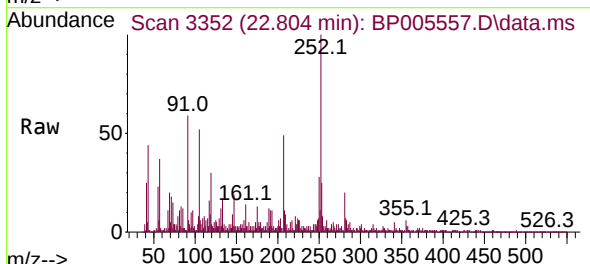
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-4-6

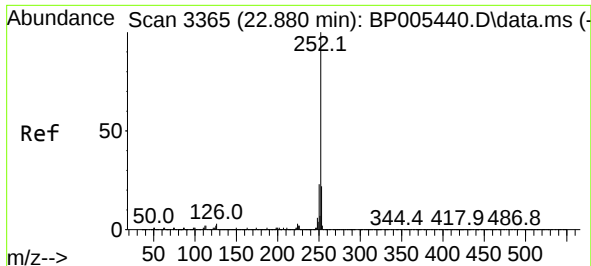
Tgt Ion:	276	Resp:	28547
Ion Ratio	Lower	Upper	
276	100		
138	2.8	8.4	12.6#
277	23.0	20.6	31.0



#88
Benzo(b)fluoranthene
Concen: 6.63 ng
RT: 22.804 min Scan# 3352
Delta R.T. 0.006 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

Tgt Ion:	252	Resp:	59851
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.2	27.2
125	6.1	3.4	5.0#

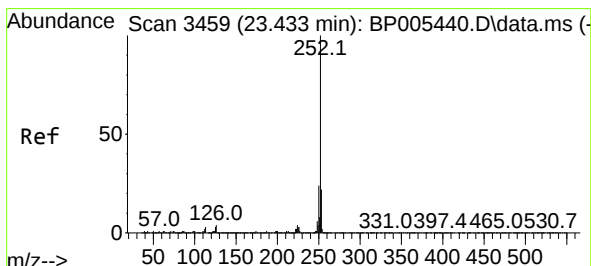
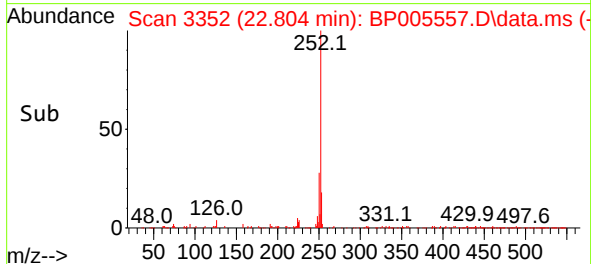
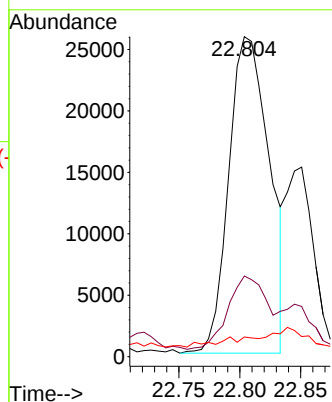
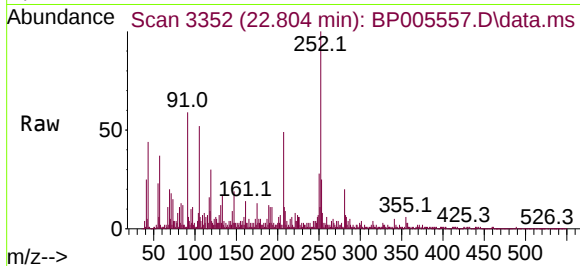




#89
Benzo(k)fluoranthene
Concen: 6.78 ng
RT: 22.804 min Scan# 3352
Delta R.T. -0.041 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

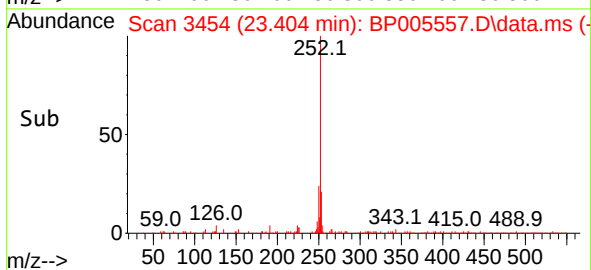
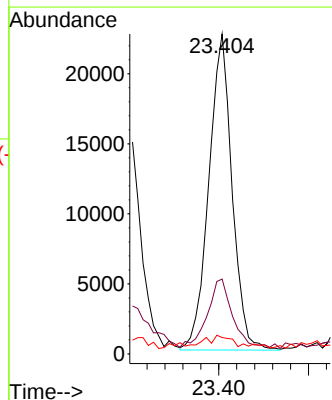
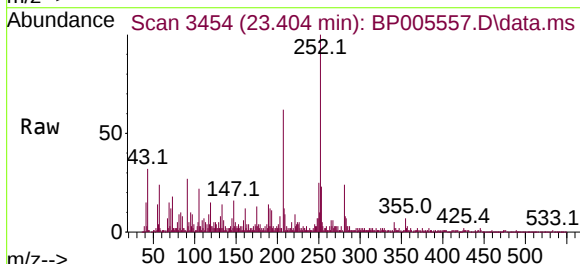
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-4-6

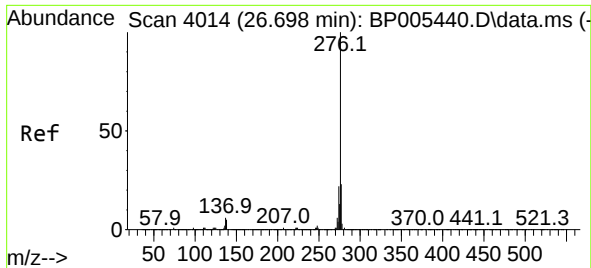
Tgt Ion:252 Resp: 59851
Ion Ratio Lower Upper
252 100
253 25.2 17.2 25.8
125 6.1 3.8 5.6#



#90
Benzo(a)pyrene
Concen: 4.90 ng
RT: 23.404 min Scan# 3454
Delta R.T. 0.006 min
Lab File: BP005557.D
Acq: 14 May 2021 19:49

Tgt Ion:252 Resp: 40556
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 5.2 3.8 5.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.83 ng
 RT: 26.627 min Scan# 4002
 Delta R.T. -0.012 min
 Lab File: BP005557.D
 Acq: 14 May 2021 19:49

Instrument :
 BNA_P
 ClientSampleId :
 CASINO-AVE-4-6

Tgt Ion:	276	Resp:	26379
Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.8	29.8
138	4.5	7.7	11.5#

